EMKO PROJECT

PROJECT REFERENCES

Technology in real projects.

80 projects and equipment supplies. Defined quantities, locations, delivery scopes and indicative financial bands.

80 References

55 Financial bands

7 Technical categories

The catalogue includes EMKO PROJECT deliveries and the broader project portfolio. The supplier at the time of delivery and the scope of each reference are stated on the relevant sheet. Customers are identified by location. Photographs and AI illustrations are labelled.

Contents 1/3

Dosing screws and feeder housings 5
Rails for raking machines 6
Dome valve and pipework modernisation 7
Nitration shutdown maintenance 8
Shutdown maintenance of sodium nitrate production 9
Oxycellulose production shutdown maintenance 10
Piping connections for a chemical process 11
HCl measuring vessel replacement 12
Equipment refurbishment for functional colourants 13
Motor and vacuum pump alignment 14
Autoclave filter screen replacement 15
Fluidised-bed boiler relocation feasibility study 16
Partial stages of HCl storage refurbishment 17
10 kWp photovoltaics with 16 kWh battery storage 18
Level instrumentation for gas process equipment 19
Instrumentation for a gas processing plant 20
Dehydration and compression instrumentation 21
Condensate measurement upgrade 22
Instrumentation for polyethylene production 23
Reactor tray assembly refurbishment 24
Stainless steel variable-area flowmeters 25
Process valve actuator 26
Automated battery storage project 27
Valve packages for polyethylene production 28
Level gauges with final outgoing inspection 29
Large-diameter ultrasonic flowmeters 30
Sampling tube with a protective PTFE layer 31
Flowmeter replacement and flow diagnostics 32
Displacer level instrument manufacture 33
Custom stainless steel cut blanks 34
Air quality analysers 35
Ammonia distributor with crosspiece 36
Large-diameter electromagnetic flowmeters 37
Monitoring system components 38
Stainless steel tank with agitator 39
Support structures for car-body handling 40

Contents 2/3

Vacuum system replacement	41
Repairs to nitric acid process equipment	42
Float level measurement for a paper mill	43
DN15 flowmeter with M-Bus communication	44
Flowmeters, transmitters and switches	45
Clamp-on ultrasonic flowmeters	46
Flange components for polyethylene production	47
Radar level measurement in tanks	48
Radar transmitters for isopropanol production	49
Variable-area flowmeters with flow switching	50
Conveyor extension and material-flow control	51
Equipment storage and handling	52
Process kettle insulation	53
Thermal flow measurement of vent gas	54
Acidification reactor replacement	55
Reinforcement of a horizontal tank shell	56
Screw feeders with electrical accessories	57
Electrical components for agitator control	58
Level measurement components for a tank farm	59
Stainless steel walls and flooring for a coating enclosure	60
Stainless steel railing by a pond	61
Flow, pressure and temperature instruments	62
Self-acting pressure control	63
DN100 flowmeter sensor - supply 1	64
DN100 flowmeter sensor - supply 2	65
Gas analyser package	66
Gas analysers with filter accessories	67
Coriolis mass flowmeters	68
Variable-area and electromagnetic flowmeters	69
Pneumatically actuated valves for gas processing	70
Flowmeters for process and utility fluids	71
Self-acting pressure regulator for a tank farm	72
Glass level gauges for process equipment	73
Ultrasonic level measurement	74
Inline ultrasonic flow measurement	75
Displacer instruments for gas processing	76

Contents 3/3

Level and differential pressure instruments	77
Pressure, temperature and pH measurement	78
Refurbishment of formalin process heat exchangers	79
Thermal mass flowmeters	80
De-oiling valves and instrumentation	81
Cogeneration unit audit	82
Gas pipeline connection components	83
Pre-dispatch inspection of a reverse-osmosis skid	84

Dosing screws and feeder housings

PROJECT LOCATION

Pardubice, Czechia

PERIOD

August 2026



AI illustration - not the actual delivery.

KEY PARAMETERS

4 dosing screws

2 conveyor housings

Grade 1.4541 steel

Indicative financial band

CZK 100,000-500,000

Invoiced component manufacture and supply; excluding VAT

Custom manufacture and supply

Custom supply of dosing screws and housings for a chemical plant in Pardubice. The set comprised two left-hand and two right-hand screws together with two twin-screw conveyor housings, all specified in grade 1.4541.

SCOPE OF WORK

- Two left-hand and two right-hand dosing screws
- Two twin-screw conveyor housings
- Grade 1.4541 in the delivery specification
- Manufacture and supply to separate component drawings

Supplier: EMKO PROJECT s.r.o.

REFERENCE SHEET

PROJECT 1171

Rails for raking machines

PROJECT LOCATION

Pardubice, Czechia

PERIOD

June 2026



Rail and guide detail of the raking machine from the project documentation.

KEY PARAMETERS

2 rails

5.8 m per rail

11.6 m total

Indicative financial band

up to CZK 100,000

Invoiced rail manufacture and supply; excluding VAT

Custom manufacture and supply

Manufacture and supply of two rails for reclaiming machines at a plant in Pardubice. Each part was 5,800 mm long with mounting holes to the drawing, giving a total supplied length of 11.6 m.

SCOPE OF WORK

- Two rails, each 5,800 mm long
- 11.6 m total supplied length
- Mounting holes manufactured to the drawing
- U 50 channel and S235JR steel specified in the offer

Supplier: EMKO PROJECT s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 1161

Dome valve and pipework modernisation

PROJECT LOCATION

Rybitví, Czechia

PERIOD

2026



Valve and connecting pipework in the installation pit.

KEY PARAMETERS

1 DN500 isolation butterfly valve

Replacement of an existing DN700 gate valve

Piping and subsequent electrical stages

Indicative financial band

CZK 0.5-1 million

Contracted modernisation scope including contingency; excluding VAT

Piping modernisation stage; subsequent electrical actuation

Modernisation of an isolation node serving an operating dome combined valve replacement with underground pipework modifications. The contracted solution replaces an existing DN700 gate valve with a DN500 double-eccentric butterfly valve, including reducers, a dismantling joint and subsequent electrical actuation. The photographs document the piping and installation stage.

SCOPE OF WORK

- Isolation-valve replacement and piping-node modifications
- DN500 butterfly valve, transition pieces and installation connections
- Coordination of mechanical work with electrical actuation

EMKO PROJECT s.r.o.

Nitration shutdown maintenance

LOCATION

Pardubice, Czechia

PERIOD

August 2026



Photograph from the project.

KEY PARAMETERS

17 pumps in maintenance

1 water tank

1 vacuum-pump bedframe

Indicative financial band

CZK 0.5-1 million

Invoiced shutdown work; excluding VAT

Shutdown maintenance and repairs

Shutdown maintenance of a nitration process in Pardubice covered pumps, steam and condensate systems, towers and a fan. The scope also included a water tank and a vacuum-pump bedframe; the recorded handover date is 24 August 2026.

SCOPE OF WORK

- 17 pumps in the maintenance schedule, including 10 acid pumps
- Steam and condensate systems, towers and a fan
- One water tank and a vacuum-pump bedframe
- Nine work packages completed with shutdown-work handover

Supplier: EMKO PROJECT s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 1126

Shutdown maintenance of sodium nitrate production

LOCATION

Pardubice, Czechia

PERIOD

2026



Photograph from the project.

KEY PARAMETERS

4 fans in the scope

2 evaporators in the scope

13 service items

Indicative financial band

CZK 100,000-500,000

Invoiced shutdown work; excluding VAT

Shutdown maintenance and repairs

Shutdown maintenance at a chemical plant in Pardubice combined work on fans, evaporators, pumps and associated pipework. The site diary records dismantling, repairs, resealing and reassembly; the work area was handed over on 3 July 2026.

SCOPE OF WORK

- Four fans and two evaporators in the service schedule
- Pumps with cooling tanks and a Venturi scrubber
- Separation station with screw, decomposition vat and pipework
- Mechanical repairs, bearing replacement and joint resealing

Supplier: EMKO PROJECT s.r.o.

REFERENCE SHEET

PROJECT 1148

Oxycellulose production shutdown maintenance

LOCATION

Pardubice, Czechia

PERIOD

August 2026



Photograph from the project.

KEY PARAMETERS

16 service items

Flowmeters and valves

Nitrogen lines

Indicative financial band

CZK 0.5-1 million

Invoiced shutdown work; excluding VAT

Shutdown maintenance and repairs

Shutdown maintenance of an oxycellulose process in Pardubice combined work on flowmeters, valves, tanks, fans and pipework. The breakdown contained sixteen service items; the recorded handover date is 19 August 2026.

SCOPE OF WORK

- Removal and reinstallation of flowmeters and valves
- Work on tanks, fans and alcoholisation-vessel lids
- Pipe repairs, a filter section and nitrogen lines
- Sixteen items in the agreed service scope

Supplier: EMKO PROJECT s.r.o.

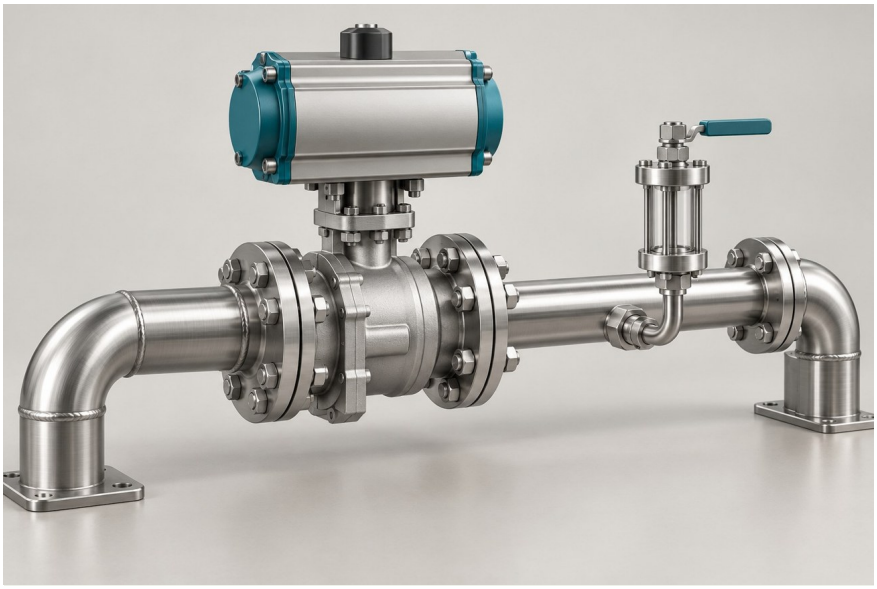
Piping connections for a chemical process

LOCATION

Rybitví, Czechia

PERIOD

July 2026



AI illustration - not the actual delivery.

KEY PARAMETERS

DN 25-50 pipe branches

12 m hose in the brief

Existing 3.2 m³ kettle

Indicative financial band

CZK 100,000-500,000

Invoiced piping supply and installation; excluding VAT

Installation and service work

Supply and installation of piping connections for an existing chemical process in Rybitví. The scope connected nitrogen, vent, drain and vacuum lines with valves and interfaces to existing equipment; handover took place in July 2026.

SCOPE OF WORK

- Connections to an existing glass-lined kettle, column and filtration section
- Nitrogen, vent, drain and vacuum lines
- The brief specified DN 25-50 pipe branches and a 12 m DN 40 chemical hose
- Material supply, installation and agreed testing and documentation scope

Supplier: EMKO PROJECT s.r.o.

HCl measuring vessel replacement

LOCATION

Rybitví, Czechia

PERIOD

June 2026



AI illustration - not the actual delivery.

KEY PARAMETERS

Ø 1,200 × 2,000 mm

PP-H, 8 mm wall

48-hour watertightness test

Indicative financial band

CZK 100,000-500,000

Invoiced measuring vessel refurbishment; excluding VAT

Process equipment refurbishment and installation

Refurbishment of a hydrochloric acid measuring tank in Rybitví included a new PP-H vessel, valves, a level gauge and installation connections. The vessel had a 1,200 mm internal diameter, a 2,000 mm cylindrical shell height and an 8 mm wall, with a documented workshop watertightness test.

SCOPE OF WORK

- PP-H vessel: 1,200 mm internal diameter and 2,000 mm cylindrical shell height
- 8 mm wall thickness in the final delivery
- Two DN 50 and two DN 25 ball valves, plus one level gauge
- Piping connections, gaskets, installation and as-built documentation

Supplier: EMKO PROJECT s.r.o.

Equipment refurbishment for functional colourants

PROJECT LOCATION

Rybitví, Czechia

PERIOD

2026



Perforated internals during refurbishment of equipment for functional-colourant production.

KEY PARAMETERS

2 clarifying vessels

1 TN34 pressure nutsche filter

1 drum tipper

Indicative financial band

CZK 1-5 million

Contracted refurbishment and process-modification scope including contingency; excluding VAT

Equipment refurbishment and process modifications

Introduction of functional-colourant production includes refurbishment of selected process equipment and its plant interfaces. The contractual scope covers two clarifying vessels, the TN34 pressure nutsche filter and a drum tipper, together with containment trays, pipework and electrical installation. The photographs document individual refurbishment operations and preparation for testing.

SCOPE OF WORK

- Refurbishment and relocation of selected process equipment
- Two clarifying vessels, TN34 pressure nutsche filter and drum tipper
- Containment trays, connecting pipework and electrical installation

EMKO PROJECT s.r.o.

REFERENCE SHEET

PROJECT 1270

Motor and vacuum pump alignment

LOCATION

Pardubice, Czechia

PERIOD

September 2026



Shaft-alignment measurement with OPTALIGN smart EX during machinery alignment.

KEY PARAMETERS

1 motor

1 vacuum pump

Laser check

Indicative financial band

up to CZK 100,000

Invoiced machine assembly alignment; excluding VAT

Installation and service work

Levelling of a motor and vacuum pump at a plant in Pardubice. The contract combined mechanical positioning of the assembly with a subsequent laser check.

SCOPE OF WORK

- Levelling of the motor and vacuum pump
- Mechanical setting of the assembly’s relative position
- Laser verification of the setting

Supplier: EMKO PROJECT s.r.o.

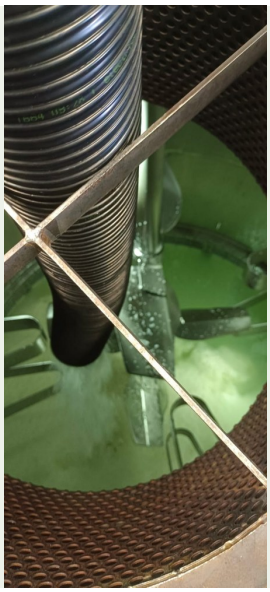
Autoclave filter screen replacement

LOCATION

Pardubice, Czechia

PERIOD

2026



Photograph from the project.

KEY PARAMETERS

80 dewatering screens

Autoclave internals

Shutdown installation

Indicative financial band

CZK 100,000-500,000

Invoiced screen replacement; excluding VAT

Shutdown maintenance and repairs

Installation work to renew dewatering screens in autoclaves in Pardubice. The invoiced base scope covered eighty screens; additional work was invoiced separately as an extension of the same contract.

SCOPE OF WORK

- Base installation scope of 80 dewatering screens
- Work on internal parts of existing autoclaves
- Cover removal and access interfaces defined in the brief
- Base work and separately invoiced additional work

Supplier: EMKO PROJECT s.r.o.

Fluidised-bed boiler relocation feasibility study

SCOPE

Feasibility study

PERIOD

Documentation 2026



Existing boiler equipment documented for the relocation feasibility study.

KEY PARAMETERS

Feasibility study

Existing fluidised-bed boiler

Project 1192

Feasibility study

The study considered the feasibility of relocating an existing fluidised-bed boiler. It used documentation of the existing energy facility and its equipment. This reference covers the study; the photographs show the original equipment before any potential relocation.

SCOPE OF WORK

- Feasibility study for fluidised-bed boiler relocation
- Documentation of the existing energy facility
- Definition of the proposed relocation of existing equipment

EMKO project portfolio.

Partial stages of HCl storage refurbishment

LOCATION

Pardubice, Czechia

PERIOD

2025



Operating pipework and valves at the hydrochloric-acid storage project site.

KEY PARAMETERS

Temporary HCl storage

Installation and training

Control engineering

Indicative financial band

CZK 1-5 million

Invoiced partial project stages; excluding VAT

Partial engineering and installation stages

Partial stages of hydrochloric acid storage refurbishment combined engineering documentation with installation and connection of a temporary system. The scope also included operator training, instructions, and engineering for instrumentation, control and process automation. The reference covers handed-over and invoiced stages of the wider tank refurbishment project.

SCOPE OF WORK

- Engineering documentation for temporary HCl storage
- Installation and connection of the temporary system, operator training
- Engineering for instrumentation, control and process automation

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

10 kWp photovoltaics with 16 kWh battery storage

SCOPE

PV and battery storage installation

PERIOD

2025



Rooftop photovoltaic array of the 10 kWp installation.

KEY PARAMETERS

10 kWp: PV capacity

16 kWh: storage capacity

PV and battery storage installation

A rooftop photovoltaic installation rated at 10 kWp with 16 kWh of battery storage was completed in 2025. The photographs show the photovoltaic array and battery modules belonging to the same installation.

SCOPE OF WORK

- Rooftop photovoltaic installation
- Battery storage

EMKO project portfolio.

Level instrumentation for gas process equipment

DELIVERY REGION

Middle East

PERIOD

2025



Photograph from the project.

KEY PARAMETERS

12 main instruments

10 level gauges + 2 transmitters

Indicative financial band

EUR 10,000-50,000

Invoiced instrument package; excluding VAT

Partial instrument supply

Supply of twelve main level instruments for gas process equipment. The lot combined ten L21 level gauges and two displacer transmitters; selected versions included thermal insulation or an additional local indicator. Spare parts complemented the instrument supply.

SCOPE OF WORK

- 10 L21 level gauges, SS316 and SS321 materials
- 2 displacer transmitters with Fisher DLC3010 electronics
- Selected positions with insulation and an ABB JDF200 indicator

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Instrumentation for a gas processing plant

DELIVERY REGION

Middle East

PERIOD

2025



Photograph from the project.

KEY PARAMETERS

49 displacer assemblies in lot

4 radar assemblies

8 shipping crates

Indicative financial band

EUR 250,000-500,000

Ordered instrument scope; excluding VAT

Instrument and component supply

The staged instrument supply comprised 49 displacer measuring assemblies, four radar level instruments with chambers and four ABB JDF200 local indicators. Transmitter heads and mechanical parts were packed separately and matched by process tag. The package was prepared in eight crates.

SCOPE OF WORK

- 49 displacer-transmitter heads and 49 matching chambers with displacers
- 4 radar level transmitters with chambers
- 4 ABB JDF200 local indicators
- Seals, fasteners and flange accessories

EMKO project portfolio. Supplier at the time of delivery: Industrial Process Solutions s.r.o.

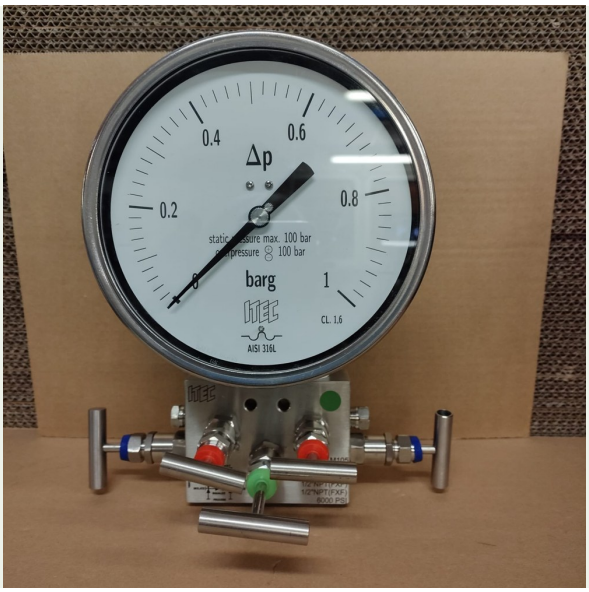
Dehydration and compression instrumentation

DELIVERY REGION

Middle East

PERIOD

2025



Photograph from the project.

KEY PARAMETERS

74 main measuring instruments

63 pressure/temperature + 11 level instruments

Indicative financial band

EUR 50,000-100,000

Invoiced partial deliveries; excluding VAT

Partial instrument supply

Partial supply of instruments for process dehydration, gas compression and pipeline connections. The package contained 63 temperature and pressure gauges, including differential pressure measurement, and 11 level instruments. Spare parts complemented the individual instrument groups.

SCOPE OF WORK

- 19 temperature gauges, 39 pressure gauges and 5 differential pressure gauges
- 8 magnetic level gauges and 1 glass level gauge
- 2 displacer level transmitters and spare parts

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Condensate measurement upgrade

PROJECT LOCATION

Czechia

PERIOD

Documentation: 2025



Original metering line documented before replacement of the orifice measurement.

KEY PARAMETERS

Level measurement

Mass flow measurement

Measurement upgrade

The completed scope covered condensate level measurement and replacement of orifice-based measurement with a mass flowmeter. The photograph documents the original metering line before modification.

SCOPE OF WORK

- Condensate level measurement
- Replacement of orifice-based measurement with a mass flowmeter

EMKO project portfolio.

Instrumentation for polyethylene production

DELIVERY REGION

Middle East

PERIOD

2025



Photograph from the project.

KEY PARAMETERS

228 instruments

Partial packages of 189 + 39 pieces

Indicative financial band

EUR 100,000-250,000

Invoiced partial instrument packages; excluding VAT

Partial instrument supply

Two partial instrumentation packages for high-density polyethylene production contained 228 instruments. The deliveries combined rotameters, glass and magnetic level gauges, and float, vibrating-fork and capacitive level switches. The instrument packages were dispatched separately within the wider project.

SCOPE OF WORK

- 144 rotameters, including 22 with a switch
- 32 glass and 4 magnetic level gauges
- 9 float switches and 39 additional level switches

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 731

Reactor tray assembly refurbishment

PROJECT LOCATION

Šaľa, Slovakia

PERIOD

2025



Reactor tray internals prepared for dispatch in September 2025.

KEY PARAMETERS

11 reactor trays

22 tray halves

Grade 1.4466 steel

Indicative financial band

EUR 50,000-100,000

Invoiced reactor-internals supply; excluding VAT

Assembly refurbishment

Supply of components to refurbish eleven reactor trays at a chemical plant in Šaľa. The 1.4466 steel internals comprised 22 tray halves together with sealing, support and connection components.

SCOPE OF WORK

- 11 trays comprising 22 halves
- Grade 1.4466 specified in the manufacturing and delivery records
- 363 components listed in the final packing list
- Structural parts supplied for installation inside an existing reactor

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Stainless steel variable-area flowmeters

RECIPIENT LOCATION

Istanbul, Türkiye

PERIOD

2025



Detail of the local scale of a K24 variable-area flowmeter from the supplied instrument package.

KEY PARAMETERS

4 flowmeters

2 instruments with a 4-20 mA output

Indicative financial band

up to EUR 10,000

Invoiced flowmeter supply; excluding VAT

Instrument and component supply

Supply of four variable-area flowmeters for process measuring points. The package combined two stainless steel model series, with two instruments equipped with a current output. Alongside local indication, part of the delivery therefore supports transmission of the measured value to a connected system.

SCOPE OF WORK

- 3 K24 instruments and 1 K51 instrument
- SS316 stainless steel construction
- Two versions with a 4-20 mA output

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

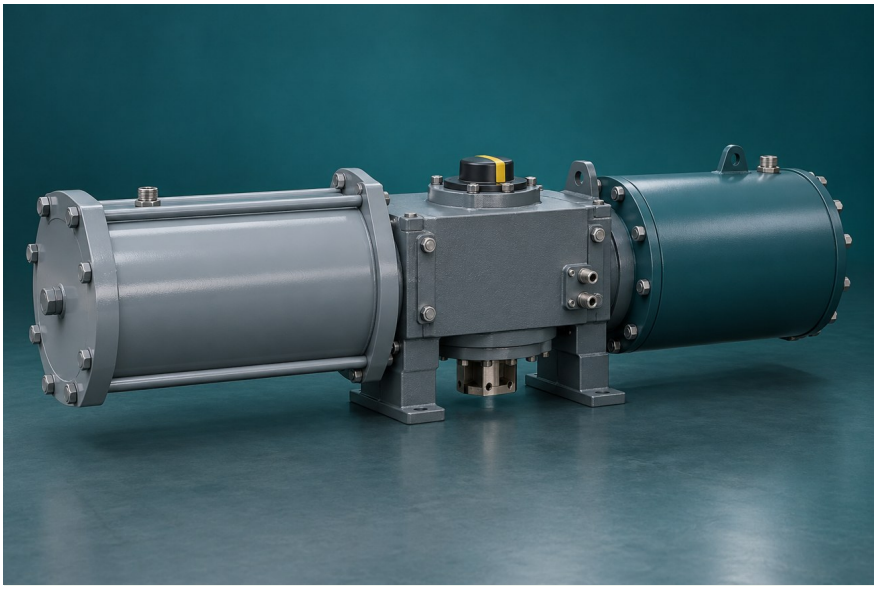
Process valve actuator

RECIPIENT LOCATION

Weert, Netherlands

PERIOD

2025



AI illustration - not the actual delivery.

KEY PARAMETERS

1 valve actuator

400 kg net per packing list

1 shipping package

Indicative financial band

up to EUR 10,000

Invoiced actuator supply; excluding VAT

Instrument and component supply

The order covered a specific valve actuator for supply to a recipient in the Netherlands. The packing list identifies one actuator and its shipping dimensions; the final commercial record reflects revised delivery terms.

SCOPE OF WORK

- 1 GP-085S-385A/C3D actuator
- One packed shipping unit
- 400 kg net weight according to the packing list

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 526

Automated battery storage project

INSTALLATION LOCATION

Mladá Boleslav, Czechia

PERIOD

2023-2025



Photograph from the project.

KEY PARAMETERS

2 three-axis manipulators

12 storage positions

Design battery mass: max. 600 kg

Indicative financial band

CZK 25-50 million

Invoiced engineering and delivery stages (milestones 1-8); excluding VAT

Engineering and partial delivery stages

The project addressed automated supply of an assembly line with batteries held in handling frames. It combined stacked storage, three-axis handling, delivery of loaded frames to production and the return of empty carriers. The scope included engineering milestones, a prototype, mechanical supplies and integration work interfacing with the existing conveyor system.

SCOPE OF WORK

- Mechanical design, prototype, 3D model, electrical design and safety concept
- Two three-axis handling units, jaw grippers and a two-level conveyor route
- Design of frame and battery identification, production sequencing and data interfaces
- Manipulator FAT, elevation-interface measurements and integration tests

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Valve packages for polyethylene production

DELIVERY REGION

Middle East

PERIOD

2024-2025



Valves and package components prepared for workshop assembly.

KEY PARAMETERS

352 valves in two lots

7 + 345 pieces

Indicative financial band

EUR 250,000-500,000

Invoiced partial deliveries; excluding VAT

Partial valve deliveries

Partial valve deliveries for high-density polyethylene production comprised 352 pieces in two shipping lots. The scope combined butterfly valves, gate valves, ball valves, globe valves and needle valves. The separately priced deliveries formed part of the wider piping equipment for the project.

SCOPE OF WORK

- Butterfly valves, gate valves and ball valves
- Globe valves and needle valves
- Two separate shipping lots

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Level gauges with final outgoing inspection

PROJECT DESTINATION REGION

Middle East

PERIOD

2025



Photograph from the project.

KEY PARAMETERS

132 level gauges

11 wooden crates

Manufacture, outgoing inspection and dispatch preparation

An instrumentation package of 132 level gauges combined magnetic, reflex and transparent versions. The final inspection in September 2025 checked instrument quantities, identification and packing. The package was prepared in 11 wooden shipping crates.

SCOPE OF WORK

- 63 magnetic level gauges
- 60 reflex and 9 transparent glass level gauges
- Final identification and packing inspection

EMKO project portfolio. Manufacturing and inspection package from EMKOMETER / EMKO HOLDING.

Large-diameter ultrasonic flowmeters

DELIVERY REGION

Middle East

PERIOD

2025



Photograph from the project.

KEY PARAMETERS

7 ultrasonic flowmeters

DN450 and DN500

Class 150 and Class 300

Partial instrument supply

The partial tank-farm supply comprised seven KROHNE OPTISONIC 3400 C Ex ultrasonic flowmeters: one DN450 and six DN500. The package combined Class 150 and Class 300 flanged configurations and also included a spare transmitter. The seven associated shipping crates had a combined gross weight of approximately 2.85 tonnes.

SCOPE OF WORK

- 7 KROHNE OPTISONIC 3400 C Ex instruments
- 1 × DN450 and 6 × DN500
- Class 150 and Class 300 flanged configurations
- Spare transmitter and separately packed accessories

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

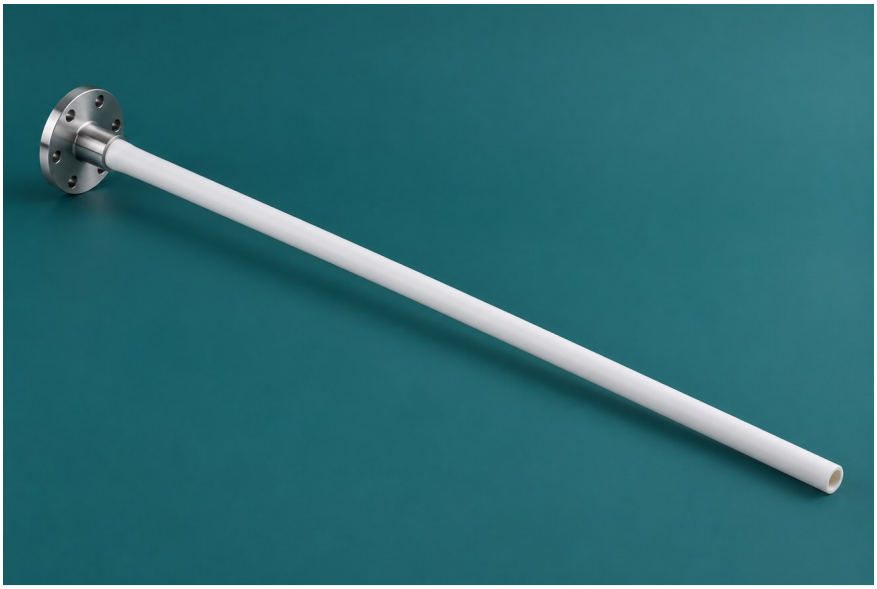
Sampling tube with a protective PTFE layer

PROJECT LOCATION

Pardubice, Czechia

PERIOD

2025



AI illustration - not the actual delivery.

KEY PARAMETERS

1 sampling tube

1,900 mm tube length

3 mm PTFE layer

Indicative financial band

up to CZK 100,000

Invoiced sampling tube supply; excluding VAT

Custom manufacture and supply

Supply of a flanged sampling tube with a length of 1,900 mm for a chemical process in Pardubice. The delivery specification called for a 3 mm protective PTFE layer on both the internal and external surfaces.

SCOPE OF WORK

- 1 custom sampling tube with flange connections
- Steel tube length 1,900 mm and outside diameter 60.3 mm
- PTFE on both surfaces, with a specified 3 mm layer
- Separate component supply for a chemical process

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

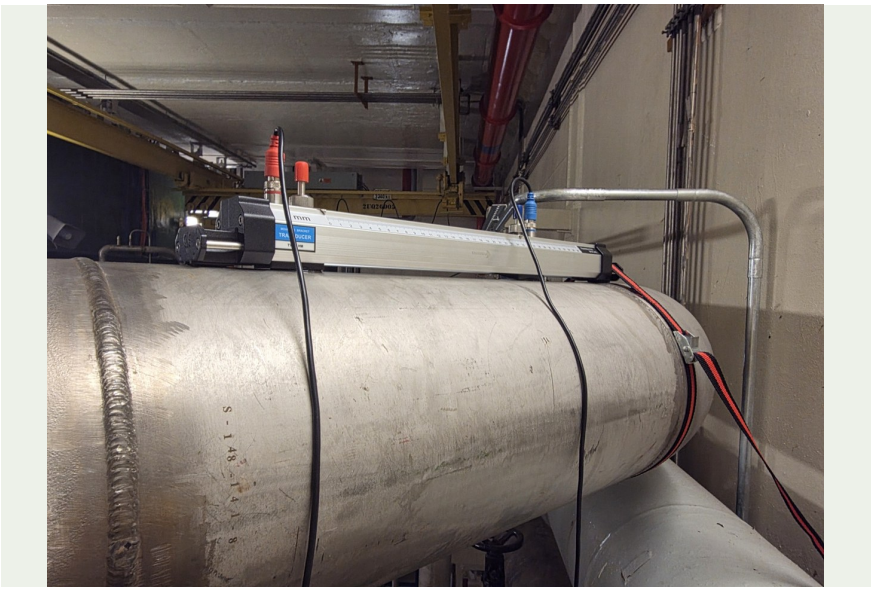
Flowmeter replacement and flow diagnostics

SERVICE LOCATION

Dukovany, Czechia

PERIOD

November 2025



Clamp-on ultrasonic sensors used for pipe-flow diagnostics.

KEY PARAMETERS

Electromagnetic flow measurement

Clamp-on ultrasonic sensors

Measurement service and diagnostics

In Dukovany, we replaced an electromagnetic flowmeter and carried out flow diagnostics using ultrasonic measurement. The photographs show clamp-on sensors on the pipe and a transmitter at the service location.

SCOPE OF WORK

- Electromagnetic flowmeter replacement
- Ultrasonic flow diagnostics

EMKO project portfolio.

Displacer level instrument manufacture

PROJECT DESTINATION REGION

Middle East

PERIOD

2025



Manufactured components and flanged parts of displacer level instruments before assembly.

KEY PARAMETERS

88 manufactured instruments

54 instruments with calibration inspection

Manufacturing stage and inspection

The manufacturing stage covered 88 displacer level instruments, including welding, passivation and pressure testing. Manufacturing and test records for the complete package were presented during a two-day inspection in September 2025. For 54 instruments, the inspection also included calibration.

SCOPE OF WORK

- Manufacture and welding of 88 instruments, passivation and pressure testing
- Dimensional, visual (VT) and penetrant (PT) inspection
- Calibration inspection of 54 instruments and type 3.1 material inspection certificates

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

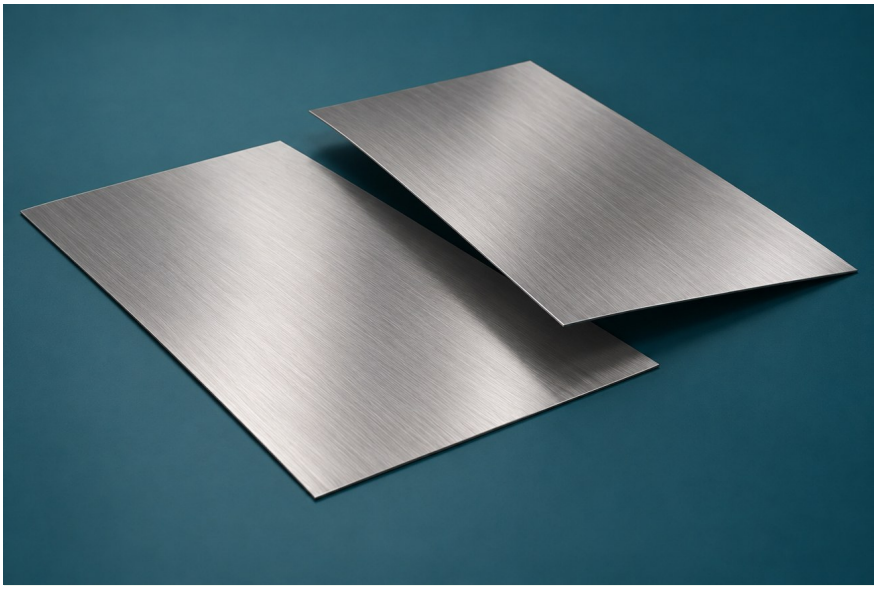
Custom stainless steel cut blanks

RECIPIENT LOCATION

Doubek, Czechia

PERIOD

2025



AI illustration - not the actual delivery.

KEY PARAMETERS

2 cut blanks

150 × 250 mm dimensions, 0.8 mm thickness

Indicative financial band

up to CZK 100,000

Invoiced cut-blank manufacture; excluding VAT

Custom manufacture and supply

Manufacture of two stainless steel cut blanks measuring 150 × 250 mm from 0.8 mm sheet. The scope included design and manufacturing preparation of the parts.

SCOPE OF WORK

- 2 blanks measuring 150 × 250 mm
- 0.8 mm stainless steel thickness

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

REFERENCE SHEET

PROJECT 592

Air quality analysers

RECIPIENT LOCATION

Istanbul, Türkiye

PERIOD

2024



AI illustration - not the actual delivery.

KEY PARAMETERS

4 analysers

Generator + logger + software

1 case, 150 kg gross

Indicative financial band

EUR 50,000-100,000

Invoiced instrument supply; excluding VAT

Instrument and component supply

The supply covers SO_2, $NO/NO_2/NOx$, O_3 and CO using four separate HORIBA 370-series instruments. Auxiliary equipment adds zero-air and ozone generation, data recording and data processing.

SCOPE OF WORK

- APSA-370 for SO_2 and APNA-370 for $NO/NO_2/NOx$
- APOA-370 for O_3 and APMA-370 for CO
- Internal zero-air and ozone generator
- IOX Data Logger and IOVIS software

EMKO project portfolio. Supplier at the time of delivery: Industrial Process Solutions s.r.o. (company ID 14433044).

Ammonia distributor with crosspiece

PROJECT LOCATION

Šaľa, Slovakia

PERIOD

2024



Photograph from the project.

KEY PARAMETERS

1 complete distributor

270 kg net mass

Grade 1.4306 steel

Indicative financial band

EUR 10,000-50,000

Invoiced distributor supply; excluding VAT

Custom manufacture and supply

Manufacture and supply of an ammonia distributor with a cross assembly for a chemical plant in Šaľa. The welded grade 1.4306 stainless steel assembly underwent visual and penetrant examination of the specified welds before dispatch.

SCOPE OF WORK

- 1 complete ammonia distributor with cross assembly
- Grade 1.4306 stainless steel
- 270 kg net shipping mass
- Visual and penetrant weld examinations documented in test reports

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 554

Large-diameter electromagnetic flowmeters

DELIVERY COUNTRY

Algeria

PERIOD

2024



AI illustration - not the actual delivery.

KEY PARAMETERS

8 electromagnetic flowmeters

DN200-DN1000, PN10

6 nominal diameters

Indicative financial band

EUR 10,000-50,000

Invoiced flowmeters including transport to Algeria; excluding VAT

Instrument and component supply

The supply of eight F31 electromagnetic flowmeters to Algeria covered six nominal diameters from DN200 to DN1000, all rated PN10. Three instruments were DN400, with one unit in each of the other sizes. Eight individual wooden crates had a combined gross weight of approximately 1.34 tonnes.

SCOPE OF WORK

- 1 × DN1000, 1 × DN500 and 3 × DN400
- 1 each of DN350, DN300 and DN200
- Common PN10 pressure rating
- 8 wooden crates with a gross weight of approximately 1.34 tonnes

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 547

Monitoring system components

RECIPIENT LOCATION

Stuttgart, Germany

PERIOD

2024



AI illustration - not the actual delivery.

KEY PARAMETERS

12 main components

5 Proximitor monitors

1 system rack

Indicative financial band

EUR 10,000-50,000

Invoiced component supply; excluding VAT

Instrument and component supply

The invoiced 3500-series monitoring package contained 12 main components in seven line-item groups. It comprised a system rack, two power-supply modules, five Proximitor monitoring units, and modules for phase reference, data interfacing, Modbus communication and relay outputs. The corresponding input/output modules were included in the instrument items.

SCOPE OF WORK

- 1 3500/05 system rack and 2 3500/15 power-supply modules
- 5 3500/40 monitoring units
- 3500/25 Keyphasor and 3500/22 data-interface modules
- 3500/92 Modbus gateway and 3500/33 relay module

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Stainless steel tank with agitator

INSTALLATION LOCATION

Přerov, Czechia

PERIOD

2024



Workshop assembly of the stainless steel tank and agitator before installation at the plant.

KEY PARAMETERS

1 tank with an agitator

2 sections welded together on site

Tank internal diameter of 1,950 mm

Indicative financial band

CZK 0.5-1 million

Invoiced tank and agitator supply with the installation scope; excluding VAT

Fabrication, installation and supply of a tank with agitator

Replacement of an original steel tank in Přerov with a new vessel and agitator included manufacturing design, workshop preparation and installation. The tank, with an internal diameter of 1,950 mm, was split into two sections and welded together on site. The design addressed a stainless-steel shell and bottom, a top cover with agitator support, and five process nozzles connecting to the existing equipment.

SCOPE OF WORK

- Manufacturing design of the split tank, top cover and agitator support
- Stainless-steel parts in grade 1.4571 / AISI 316Ti
- Workshop fabrication and trial assembly, transport and on-site completion
- Weld map and plan for visual and liquid penetrant inspections

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 572

Support structures for car-body handling

INSTALLATION LOCATION

Kvasiny, Czechia

PERIOD

2024



Photograph from the project.

KEY PARAMETERS

3 structural sections A-C

Approx. 100 m route in design

Design height of B/C: 9 m

Indicative financial band

EUR 500,000-1 million

Steel structure and engineering; excluding VAT

Steel structure and engineering

The steelwork project addressed the routing of conveyor equipment for car-body transfer within an existing production and logistics space. It included load-bearing members, access areas and structural interfaces with the building. The handed-over scope covered by this reference consists of the steel structure and engineering.

SCOPE OF WORK

- Structural design and analysis of the load-bearing parts
- A suspended section, a framed section and interconnected truss members
- Conveyor supports, access gratings, protective mesh and bracing
- Interface measurements, geometry checks and partial handover in December 2024

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 674

Vacuum system replacement

LOCATION

Rybitví, Czechia

PERIOD

2024



Photograph from the project.

KEY PARAMETERS

2 independent vacuum trains

3 measured variables per train

Documented handover: October 2024

Indicative financial band

CZK 0.5-1 million

Invoiced vacuum system replacement; excluding VAT

Process equipment refurbishment and installation

Replacement of a non-functional vacuum system with a new process assembly. The scope included layout design, a support structure, polypropylene tanks, heat exchangers and piping. Workshop assembly was followed by on-site installation, instrumentation and controls, pipe insulation and operating tests.

SCOPE OF WORK

- Layout design, support structure and polypropylene tanks
- Heat exchangers, piping, instrumentation and control components
- Workshop assembly, installation, pipe insulation and commissioning

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 733

Repairs to nitric acid process equipment

LOCATION

Pardubice, Czechia

PERIOD

August 2024



Photograph from the project.

KEY PARAMETERS

11 service items

3 condensers

2 fans

Indicative financial band

CZK 100,000-500,000

Invoiced shutdown repairs; excluding VAT

Shutdown maintenance and repairs

Shutdown repairs on a concentrated nitric acid process in Pardubice. The service scope covered a column, reactor, three condensers, a cooler, fans and auxiliary equipment located from ground level to the sixth floor and roof.

SCOPE OF WORK

- Column, reactor and three condensers
- Cooler, process fan and emergency fan
- Air receiver, steam system equipment and cooling equipment
- Work across several levels of the process building

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Float level measurement for a paper mill

DELIVERY LOCATION

Aydın, Türkiye

PERIOD

2024



Magnetic level indicator strips prepared as part of the instrument supply.

KEY PARAMETERS

4 main level instruments

4-20 mA + HART

Pressure tests at 20/24 bar

Indicative financial band

EUR 10,000-50,000

Invoiced instrument supply; excluding VAT

Instrument and component supply

The supply for a paper mill in Aydın, Türkiye, combined two L21 magnetic level gauges and two L11 immersion float level instruments. The configurations distinguished condensate and steam service from mineral-oil measurement; all four instruments had a 4-20 mA interface with HART. Indicators, transmitters, a spare LCD and factory test documentation completed the package.

SCOPE OF WORK

- 2 L21 magnetic level gauges with 900 and 590 mm connection centres
- 2 L11 immersion instruments, 800 mm length and 500 mm measuring range
- 4-20 mA with HART and local indication according to configuration
- 4 additional indicators, 4 transmitters and 1 LCD display
- Factory water pressure tests at 24 and 20 bar

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

DN15 flowmeter with M-Bus communication

RECIPIENT LOCATION

Brno, Czechia

PERIOD

2024



AI illustration - not the actual delivery.

KEY PARAMETERS

1 DN15 flowmeter

M-Bus module

Receipt in February 2024

Instrument and component supply

This instrument supply combined a DN15 measuring unit with an F3/H3 module for M-Bus communication. The record identifies a specific package supplied to a recipient in the Brno area.

SCOPE OF WORK

- 1 F3 DN15 electromagnetic flowmeter
- 1 F3/H3 M-Bus communication module
- Documented handover of the instrument package

EMKO project portfolio. Supplier at the time of delivery: MicroComp s.r.o.

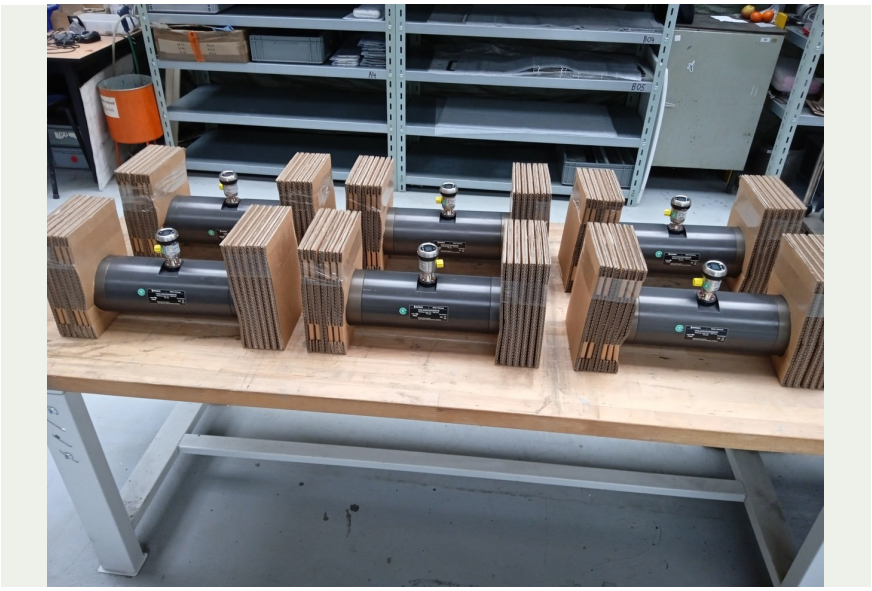
Flowmeters, transmitters and switches

RECIPIENT LOCATION

Istanbul, Türkiye

PERIOD

2024



Six flowmeters with transmitters prepared for inspection and packing before dispatch.

KEY PARAMETERS

20 components in 4 groups

6 flowmeters + 6 transmitters

4 switches + 4 associated units

Indicative financial band

EUR 10,000-50,000

Invoiced component supply; excluding VAT

Instrument and component supply

The package combines VHS flowmeters with OMNI transmitters, plus a separate group of HD2K flow switches and associated OMNI instruments. The scope is itemised by component so assemblies are not mistaken for separate measuring points.

SCOPE OF WORK

- 6 VHS-040GAXA0550VE flowmeters
- 6 OMNI-VHS-040ISO transmitters
- 4 HD2K-010GM008E flow switches
- 4 OMNI-HD-2KISO instruments

EMKO project portfolio. Supplier at the time of delivery: Industrial Process Solutions s.r.o. (company ID 14433044).

Clamp-on ultrasonic flowmeters

RECIPIENT LOCATION

Istanbul, Türkiye

PERIOD

2024



AI illustration - not the actual delivery.

KEY PARAMETERS

2 single-channel assemblies

Kits DN200-600 / DN600-2000

4-20 mA HART + pulses

Indicative financial band

EUR 10,000-50,000

Invoiced flowmeter supply; excluding VAT

Instrument and component supply

The supply combines the same instrument family with two mounting-kit size ranges. Each assembly contains one measuring channel and a sensor set; the order codes match the final invoice items.

SCOPE OF WORK

- 2 Prosonic Flow 91WA1 instruments with sensors
- DN200-600 mounting kit for the first assembly
- DN600-2000 mounting kit for the second assembly
- 4-20 mA HART and pulse outputs according to the specification

EMKO project portfolio. Supplier at the time of delivery: Industrial Process Solutions s.r.o. (company ID 14433044).

Flange components for polyethylene production

DELIVERY REGION

Middle East

PERIOD

2024



Flanged components and packed batches prepared for dispatch.

KEY PARAMETERS

840 pieces

43 line items in the shipping lot

Indicative financial band

EUR 50,000-100,000

Invoiced partial component supply; excluding VAT

Partial piping component supply

Partial supply of 840 stainless steel flange components for high-density polyethylene production. The shipping lot contained 43 line items in different sizes and connection configurations. The components were intended for subsequent piping assembly.

SCOPE OF WORK

- Stainless steel flange components
- Different sizes and connection configurations
- Separate partial shipping lot

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Radar level measurement in tanks

DELIVERY REGION

Middle East

PERIOD

2024



Detail of the radar sensor electronic head supplied for the tank measurement package.

KEY PARAMETERS

13 radar transmitters

Indicative financial band

EUR 10,000-50,000

Invoiced instrument supply; excluding VAT

Instrument and component supply

Supply of 13 guided-wave radar transmitters for level measurement and connection to tank overfill protection. The instrumentation package also included spare displays and sealing parts. The scope covered tank farm instrumentation.

SCOPE OF WORK

- TDR guided-wave radar transmitters
- Package of 13 transmitters
- Spare displays and sealing parts

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Radar transmitters for isopropanol production

DELIVERY REGION

Middle East

PERIOD

2024



Guided-wave radar instrument assemblies prepared for completion; rope components and flanges were packed separately.

KEY PARAMETERS

24 radar level transmitters

More than 110 m of stainless cable

22 flanges

Indicative financial band

EUR 10,000-50,000

Invoiced transmitter supply; excluding VAT

Instrument and component supply

The supply for an isopropanol process comprised 24 guided-wave radar level transmitters. The package contained 22 EMKOMETER instruments with separately packed cable-probe components and two assembled Endress+Hauser units. Flanges, end weights, connecting parts and more than 110 metres of stainless-steel cable accompanied the instruments.

SCOPE OF WORK

- 22 EMKOMETER radar instruments and 2 assembled Endress+Hauser units
- 22 top connectors, 22 end weights and 66 screws
- More than 110 m of stainless-steel cable
- 22 three-inch flanges in Class 300 and Class 1500 configurations

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 218

Variable-area flowmeters with flow switching

RECIPIENT LOCATION

Dubai, United Arab Emirates

PERIOD

2024



Photograph from the project.

KEY PARAMETERS

37 rotameters

23 × Z2R + 14 × K

1 configuration with an SP5 switch

Indicative financial band

EUR 10,000-50,000

Invoiced rotameter supply; excluding VAT

Instrument and component supply

The supply of 37 variable-area flowmeters for a petrochemical process combined 23 Z2R instruments and 14 K-series instruments, one of which had an SP5 flow switch. The outgoing inspection covered quantity, dimensions, material, function and calibration, as well as a hydrostatic pressure test. The complete package was prepared in one wooden crate.

SCOPE OF WORK

- 23 Z2R rotameters and 14 K-series instruments
- 1 K configuration with an SP5 switch
- Dimensional and material checks, calibration and hydrostatic testing
- 1 wooden shipping crate with a gross weight of 198 kg

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

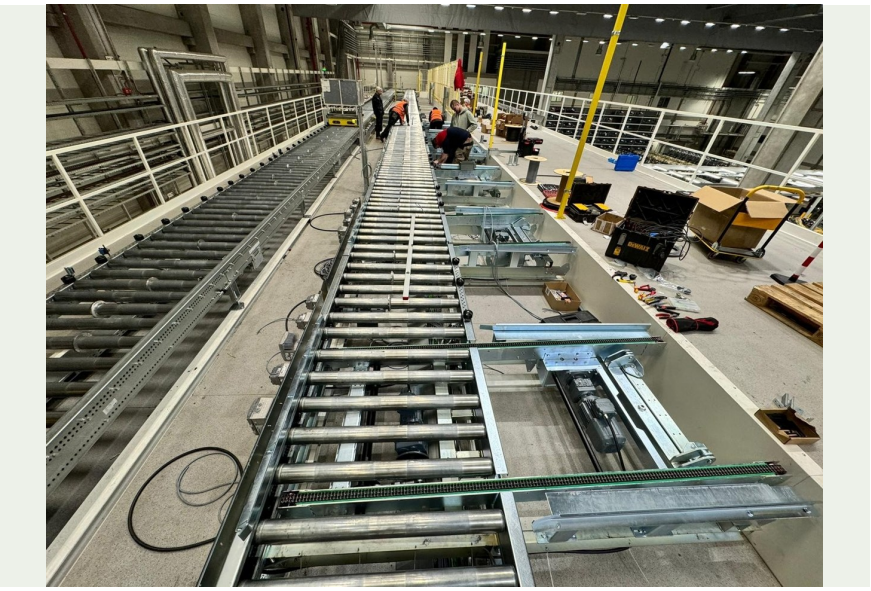
Conveyor extension and material-flow control

LOCATION

Mladá Boleslav, Czechia

PERIOD

2023-2024



Photograph from the project.

KEY PARAMETERS

2 specified workstations

6 transfer + 6 waiting positions

28 user test scenarios

Indicative financial band

CZK 25-50 million

Invoiced engineering and delivery stages; excluding VAT

Engineering and delivery milestones

The project combined an extension of the existing conveyor technology with changes to PLC control, visualisation and supervisory material-flow control. The technical specification defines two new workstations, each with three transfer positions and three waiting positions. The changes accommodate the existing roller tracks, lifts, stackers and workstations.

SCOPE OF WORK

- Transfer and parking stations for carriers with sequenced trolleys
- Cross transfers between roller tracks and associated mechanical modifications
- PLC, HMI, visualisation and supervisory control with carrier identification
- Electrical and functional testing, inspection and user acceptance testing

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Equipment storage and handling

RECIPIENT LOCATION

Modletice, Czechia

PERIOD

2023-2024



AI illustration - not the actual delivery.

KEY PARAMETERS

MG CG132B-12 equipment with accessories

Storage service in 2023-2024

Storage and handling

The assignment provided storage of an equipment package and associated handling while it awaited further use. The records distinguish the MG CG132B-12 unit from its accompanying accessories. The reference covers a logistics service.

SCOPE OF WORK

- Storage of MG CG132B-12 equipment
- Accessories accompanying the equipment package
- Handling associated with storage
- Successive invoiced periods in 2023-2024

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 725

Process kettle insulation

LOCATION

Pardubice, Czechia

PERIOD

2024



Process vessel with new metal cladding over the thermal insulation.

KEY PARAMETERS

80 mm insulation

Mineral wool

Galvanised cladding

Indicative financial band

up to CZK 100,000

Invoiced insulation work; excluding VAT

Installation and service work

Fabrication and installation of thermal insulation on a process cooker in Pardubice. An 80 mm mineral wool layer was covered with galvanised profiled sheet; the work also included sealing the drip collar.

SCOPE OF WORK

- Installation of 80 mm mineral wool insulation
- Galvanised profiled sheet cladding
- Drip collar sealed with silicone sealant

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Thermal flow measurement of vent gas

DELIVERY REGION

Middle East

PERIOD

2024



AI illustration - not the actual delivery.

KEY PARAMETERS

1 thermal flowmeter

3″ Class 300 flange

DN32 PN63 valve

Indicative financial band

up to EUR 10,000

Invoiced flowmeter supply; excluding VAT

Instrument and component supply

The supply of one TMFM01 thermal mass flowmeter for a flare-gas line included the instrument and a customised mounting assembly. The arrangement combined a 3-inch Class 300 flange with an isolation valve and a compression fitting for inserting the probe into the pipe. Inspection checked the assembly, accessories and material using PMI.

SCOPE OF WORK

- 1 TMFM01 thermal mass flowmeter
- Insertion probe and customised flanged assembly
- 3-inch Class 300 flange and an as-built DN32 PN63 valve
- Dimensional, visual and material inspection

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 667

Acidification reactor replacement

INSTALLATION LOCATION

Lovosice, Czechia

PERIOD

2024



Photograph from the project.

KEY PARAMETERS

1 reactor with a volume of 3.9 m³

Installation platform at +6 m

15 modified pipe runs

Indicative financial band

CZK 1-5 million

Invoiced replacement, installation and associated work; excluding VAT

Equipment replacement, installation and connection

Replacement of an acidification reactor in Lovosice included engineering preparation, removal of the original vessel, modifications to its supports and installation of a new 3.9 m³ reactor. Assembly of the agitator and modification of 15 pipe runs followed on an installation platform at +6 m. The scope combined steelwork, plastic and metal piping, testing and as-built documentation.

SCOPE OF WORK

- Removal of the original vessel and installation of the new reactor in an existing process area
- Support plate, grating modifications and assembly of an agitator with two impellers
- PVDF, polypropylene, stainless-steel and carbon-steel piping
- On-site water test, operating tests of the piping and documentation handover

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

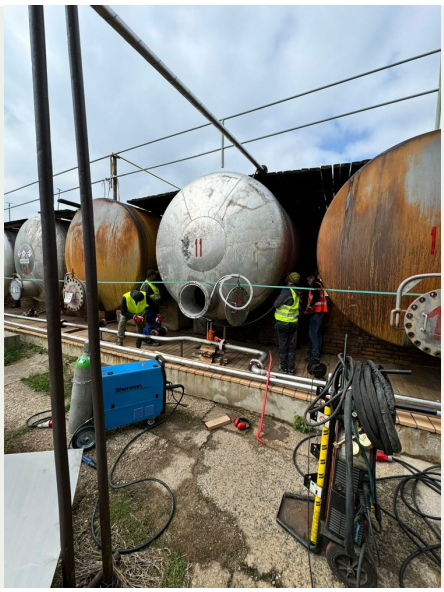
Reinforcement of a horizontal tank shell

LOCATION

Pardubice, Czechia

PERIOD

2024



Photograph from the project.

KEY PARAMETERS

12 × 2.7 m tank

4 plates per drawing

6 mm plate per drawing

Indicative financial band

CZK 100,000-500,000

Invoiced tank repair; excluding VAT

Installation and service work

Repair of a horizontal tank shell measuring 12 × 2.7 m in Pardubice. The solution addressed deformed areas near the concrete supports and installation of formed reinforcing plates while retaining the surrounding structures.

SCOPE OF WORK

- Tank shell repair at the concrete support locations
- Manufacturing drawing for four formed 6 mm reinforcing plates
- Vessel lifting with jacks as specified in the installation proposal
- Reinforcement installation, welding and inspection

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Screw feeders with electrical accessories

DELIVERY REGION

Middle East

PERIOD

2024



Screw-feeder assembly in the workshop.

KEY PARAMETERS

2 feeder assemblies

2 × 11 kW specified

AISI 304 stainless steel

Indicative financial band

EUR 250,000-500,000

Invoiced supply of two assemblies; excluding VAT

Machinery assembly supply

Supply of two screw feeder assemblies for polyethylene production. One assembly was intended for wet filter cake, while the other included a variable-frequency drive panel and flexible inlet and outlet connections. Distribution boxes, local control boxes and accessories completed the scope.

SCOPE OF WORK

- Screw feeder for wet filter cake
- Second feeder assembly with a variable-frequency drive panel
- Electrical boxes, flexible connections and accessories

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Electrical components for agitator control

RECIPIENT LOCATION

Prague, Czechia

PERIOD

2023



AI illustration - not the actual delivery.

KEY PARAMETERS

6 variable-frequency drives

6 Ex potentiometers

2 types of shielded cable

Indicative financial band

CZK 100,000-500,000

Invoiced electrical component supply; excluding VAT

Instrument and component supply

The electrical-component supply for six agitator drives combined variable-frequency drives, Ex potentiometers and connection accessories. The scope included six stud sets, shielded motor cables and separate control cables. The components were supplied for subsequent electrical connection of the drives.

SCOPE OF WORK

- 6 variable-frequency drives for agitators
- 6 Ex de potentiometers with IP65 protection
- 6 sets of connection studs
- Shielded YSLYCY 4 × 1 mm² and LiYCY 2 × 0.5 mm² cables

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

EMKO PROJECT

REFERENCE SHEET

PROJECT 200-001

Level measurement components for a tank farm

DELIVERY REGION

Middle East

PERIOD

2021-2023



AI illustration - not the actual delivery.

KEY PARAMETERS

1 displacer level switch

Spare components for instrument assemblies

Partial instrument supply

A partial supply of tank farm level instrumentation components included spare display modules, transparent covers, sealing elements and a displacer level switch. The package supports radar and point level measurement. The shipment packing was inspected by a third party.

SCOPE OF WORK

- Display modules, covers and sealing O-rings for level instrumentation
- One displacer level switch
- Third-party packing inspection

EMKO brand project portfolio. Partial supply of level measurement components.

Stainless steel walls and flooring for a coating enclosure

LOCATION

Kvasiny, Czechia

PERIOD

December 2023



Photograph from the project.

KEY PARAMETERS

2 booth corridors

Specified floor: 2 × 32 m

316 / 316L stainless steel

Indicative financial band

CZK 1-5 million

Invoiced structural replacement; excluding VAT

Process equipment refurbishment and installation

The partial reconstruction addressed degraded galvanised walls and damaged enclosure flooring. The specification required the original dimensional interfaces to be retained and materials suited to the chemical environment. The project included measurement, fabrication documentation, preparation of stainless steel components and installation work scheduled for a production shutdown.

SCOPE OF WORK

- Measurement of the existing structure and drawings for the left and right corridor assemblies
- Stainless floor sections, side panels, rear walls and doors
- Anolyte and drainage channels, drainage openings and pipe interfaces
- Dismantling, installation, cleaning and protective coating of damaged adjoining surfaces

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Stainless steel railing by a pond

LOCATION

Leština, Czechia

PERIOD

2023



Stainless steel railing beside a pond; a wide view of the installation.

KEY PARAMETERS

Stainless steel railing

1 custom supply package

Delivery year 2023

Indicative financial band

CZK 100,000-500,000

Invoiced railing manufacture; excluding VAT

Custom manufacture and supply

Custom manufacture of stainless steel railing for the refurbishment of a municipal pond in Leština. The metalwork supply formed a separate part of the wider construction project beside the water and was completed in 2023.

SCOPE OF WORK

- Stainless steel railing for an outdoor pond-side space
- Separate metalwork supply within the refurbishment
- Custom manufacture with collection from the production site

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Flow, pressure and temperature instruments

RECIPIENT LOCATION

Leobersdorf, Austria

PERIOD

2023



Photograph from the project.

KEY PARAMETERS

33 instruments in the documented shipment

3 flow / 28 pressure / 2 temperature

1 pallet, 117 kg gross

Indicative financial band

EUR 100,000-250,000

Contracted instrument supply; excluding VAT

Instrument and component supply

The package combined measurement functions for a downstream machinery assembly. The final packing list distinguishes Prosonic Flow flowmeters, two types of Cerabar pressure transmitters and iTEMP temperature transmitters. Leobersdorf was the documented delivery locality.

SCOPE OF WORK

- 3 Prosonic Flow 93PA1 flowmeters
- 17 Cerabar PMP21 pressure transmitters
- 11 Cerabar PMC51B pressure transmitters
- 2 iTEMP TMT82 temperature transmitters

EMKO project portfolio. Supplier at the time of delivery: Industrial Process Solutions s.r.o. (company ID 14433044).

Self-acting pressure control

DELIVERY REGION

Middle East

PERIOD

2022-2023



Detail of the self-operated regulator body during dimensional inspection before shipment.

KEY PARAMETERS

EZR-1270 regulators

6 inch · Class 300 RF

Dispatch of process components

Supply of self-acting pressure regulators for a petrochemical plant. The control valves were complemented by associated spare parts. This control principle uses the pressure of the process medium to operate the valve and maintain the required local pressure conditions in a pipe branch.

SCOPE OF WORK

- Pressure control valves
- Associated spare parts

EMKO brand project portfolio. Pressure control delivery package.

DN100 flowmeter sensor - supply 1

DELIVERY LOCATION

Brno, Czechia

PERIOD

2023



AI illustration - not the actual delivery.

KEY PARAMETERS

1 DN100 / PN16 sensor

250 mm installation length

Rubber lining

Indicative financial band

up to CZK 100,000

Invoiced sensor supply; excluding VAT

Instrument and component supply

The supply comprised a replacement measuring sensor with a rubber lining. The record defines the connection size, pressure designation, installation length and coil configuration. The item is a component for subsequent refurbishment.

SCOPE OF WORK

- 1 DN100, PN16 sensor
- 250 mm installation length including two seals
- Rubber lining and two 50 Ω coils
- Supplied without a connection cable

EMKO project portfolio. Supplier at the time of delivery: MicroComp s.r.o.

DN100 flowmeter sensor - supply 2

DELIVERY LOCATION

Brno, Czechia

PERIOD

2023



AI illustration - not the actual delivery.

KEY PARAMETERS

1 DN100 / PN16 sensor

250 mm installation length

Rubber lining

Indicative financial band

up to CZK 100,000

Invoiced sensor supply; excluding VAT

Instrument and component supply

The supply comprised a replacement measuring sensor with a rubber lining. The record defines the connection size, pressure designation, installation length and coil configuration. The item is a component for subsequent refurbishment.

SCOPE OF WORK

- 1 DN100, PN16 sensor
- 250 mm installation length including two seals
- Rubber lining and two 50 Ω coils
- Supplied without a connection cable

EMKO project portfolio. Supplier at the time of delivery: MicroComp s.r.o.

Gas analyser package

RECIPIENT LOCATION

Istanbul, Türkiye

PERIOD

2022



AI illustration - not the actual delivery.

KEY PARAMETERS

4 analysers

4 model families

Six-point verification of the T100 unit

Indicative financial band

EUR 50,000-100,000

Invoiced instrument supply; excluding VAT

Instrument and component supply

The instrument supply combined four different analysers and service accessories in one commercial package. In addition to the order and commercial invoice, a laboratory report is available for the T100 sulphur dioxide analyser.

SCOPE OF WORK

- 1 T100 analyser
- 1 T200 analyser
- 1 T300 and 1 T400 analyser
- Spare parts within the ordered scope

Supplier at the time of delivery: Industrial Process Solutions s.r.o. (company ID 08563306, now EMKO PROJECT s.r.o.). Instrument supply.

Gas analysers with filter accessories

PROJECT LOCATION

Location undisclosed

PERIOD

2022



AI illustration - not the actual delivery.

KEY PARAMETERS

4 analysers

100 PTFE filters

1 case, 165 kg gross

Instrument and component supply

The supply included one instrument from each of the T100, T200, T300 and T400 families and consumable filtration accessories. Quantities and types are consistent between the product supplier’s delivery document and the project packing list.

SCOPE OF WORK

- 4 analysers for different gas components
- 100 replacement PTFE filters, 47 mm diameter
- Two filter ratings: 1 µm and 5 µm
- One wooden shipping case

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

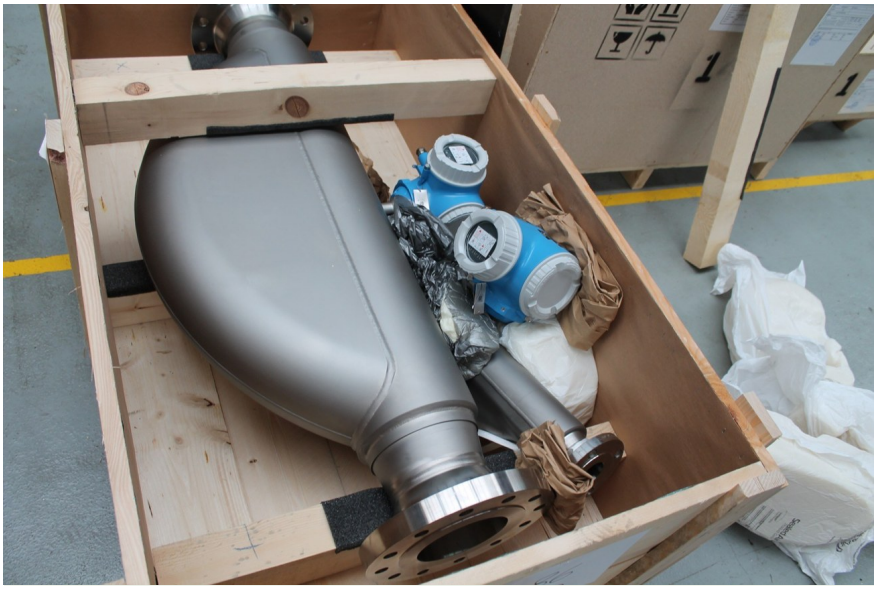
Coriolis mass flowmeters

DELIVERY REGION

Middle East

PERIOD

2022



Photograph from the project.

KEY PARAMETERS

4 flowmeters

3 × DN150 + 1 × DN50

3 shipping crates

Indicative financial band

EUR 100,000-250,000

Invoiced flowmeter supply; excluding VAT

Instrument and component supply

The tank-farm supply comprised four Endress+Hauser Promass F 300 Coriolis mass flowmeters. Three instruments were DN150 and one was DN50. The package, with a net weight of almost 590 kg, was divided between three wooden shipping crates.

SCOPE OF WORK

- 4 Promass F 300 Coriolis mass flowmeters
- 3 × DN150 and 1 × DN50
- Two model sizes within the F 300 series
- 3 shipping crates, totalling 857.5 kg including packaging

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Variable-area and electromagnetic flowmeters

PURCHASER LOCATION

Kuala Lumpur, Malaysia

PERIOD

2021-2022



Photograph from the project.

KEY PARAMETERS

35 electromagnetic flowmeters

6 variable-area flowmeters

3 packing schedules

Instrument and component supply

The instrument package combines 35 electromagnetic and 6 variable-area flowmeters. It includes different model and size configurations, a HART modem, and electronic, display and mechanical spares. Main-instrument quantities are based on three separate packing schedules.

SCOPE OF WORK

- KROHNE H250 M40 variable-area flowmeters
- Endress+Hauser electromagnetic flowmeters
- Instrument documentation

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Pneumatically actuated valves for gas processing

EXPORT PROJECT REGION

Middle East

PERIOD

2020-2022



Valve with a pneumatic actuator and control panel during supply preparation.

KEY PARAMETERS

150 assemblies in the technical project scope

111 assemblies in documented completed stages

39 assemblies in a separate final stage

Indicative financial band

EUR 500,000-1 million

Two documented invoiced stages: 111 assemblies and accessories.; excluding VAT (export invoices at 0% VAT)

Staged valve and actuator supplies

The project comprises 150 recorded on/off, shutdown and blowdown valve assemblies in a range of materials and pressure classes. Its documentation links valves, actuators, controls, functional testing and staged dispatch for an export project in the Middle East.

SCOPE OF WORK

- 150 assemblies in the technical scope; documented completed stages: 36 + 75
- Valves from 1″ to 32″, pressure classes 150, 300, 600, 900 and 1500
- Pneumatic actuators, controls, functional tests and export packing
- The final 39 assemblies form a separately recorded stage

Historical project portfolio; the documented invoiced stages were supplied by EMKO HOLDING s.r.o., company ID 04624688. MIS EUROPE s.r.o. also appears in dispatch records.

EMKO PROJECT

REFERENCE SHEET

PROJECT 158

Flowmeters for process and utility fluids

DELIVERY REGION

Middle East

PERIOD

2022



Detail of the flanged electromagnetic flowmeter body before dispatch.

KEY PARAMETERS

6 electromagnetic flowmeters

DN50-DN350

2 shipping lots

Indicative financial band

EUR 10,000-50,000

Contracted instrument supply; excluding VAT

Instrument and component supply

Supply of six Promag W 300 electromagnetic flowmeters for petrochemical utility and process systems. Instruments sized DN50 to DN350 were divided into two inspected shipping lots.

SCOPE OF WORK

- Promag W 300 instruments sized DN50 to DN350
- Two signed inspection packing schedules
- Separately shipped DN350 flowmeter

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

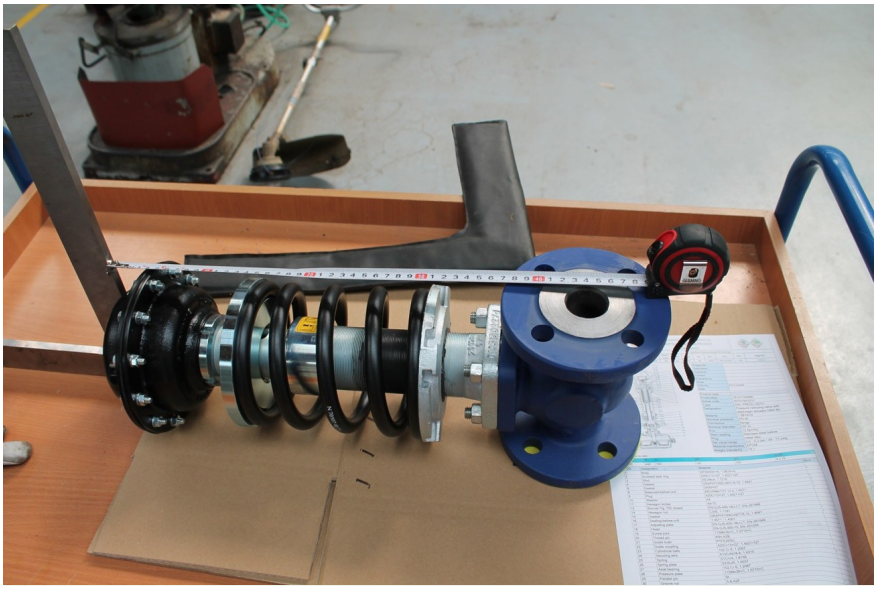
Self-acting pressure regulator for a tank farm

DELIVERY REGION

Middle East

PERIOD

2022



Photograph from the project.

KEY PARAMETERS

1 self-acting pressure regulator

Dispatch of process components

Supply of one ARI-PREDU self-acting pressure regulator for a petrochemical tank farm. The valve is designed to reduce process media pressure without a separate electric control actuator. It was prepared as a separate shipping lot.

SCOPE OF WORK

- 1 ARI-PREDU self-acting pressure reducing valve
- Separate shipping lot

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

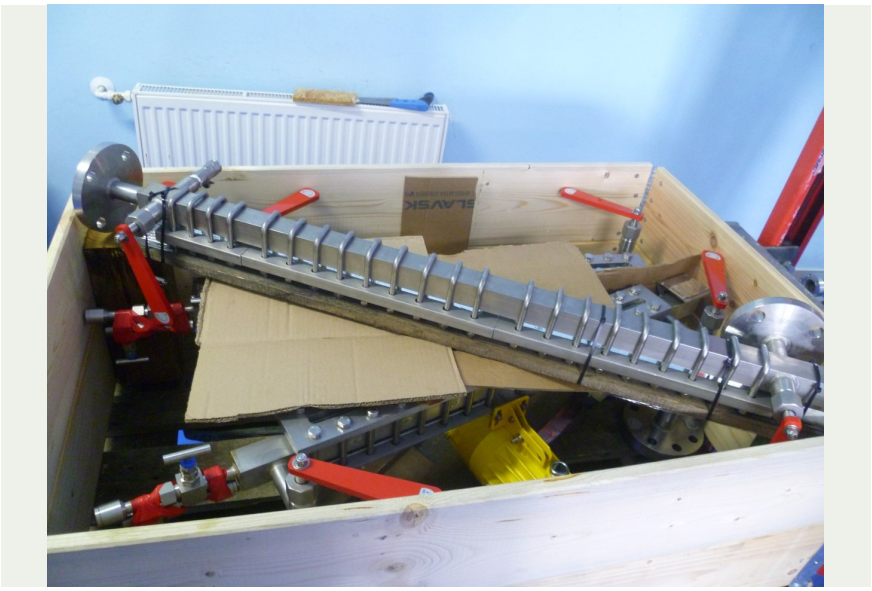
Glass level gauges for process equipment

DELIVERY REGION

Middle East

PERIOD

2022



Glass level gauges with isolation valves during preparation for shipment.

KEY PARAMETERS

3 glass level gauges

Partial instrument supply

Partial supply of three glass level gauges for visual monitoring of process media levels. The dispatched instruments formed part of a wider level measurement package for industrial process equipment.

SCOPE OF WORK

- 3 glass level gauges
- Visual indication of process media levels
- Packing and dispatch of instruments

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Ultrasonic level measurement

DELIVERY REGION

Middle East

PERIOD

2022



Photograph from the project.

KEY PARAMETERS

3 main transmitters

1 complete spare

EMOSONIC 60-06 series

Instrument and component supply

Three ultrasonic level transmitters and one complete spare from the EMOSONIC 60-06 series were prepared for tank operations. Engineering preparation addressed measurement in potable-water and firewater tanks. The pre-dispatch inspection checked the dimensions of all four instruments against approved drawings and reviewed the submitted test-document package.

SCOPE OF WORK

- 3 main transmitters and 1 complete spare
- Measurement design for potable-water and firewater tanks
- Dimensional conformity with approved drawings
- Instrument and test documentation, wooden transport packaging

EMKO project portfolio. Instrument package from EMKO HOLDING / EMKOMETER.

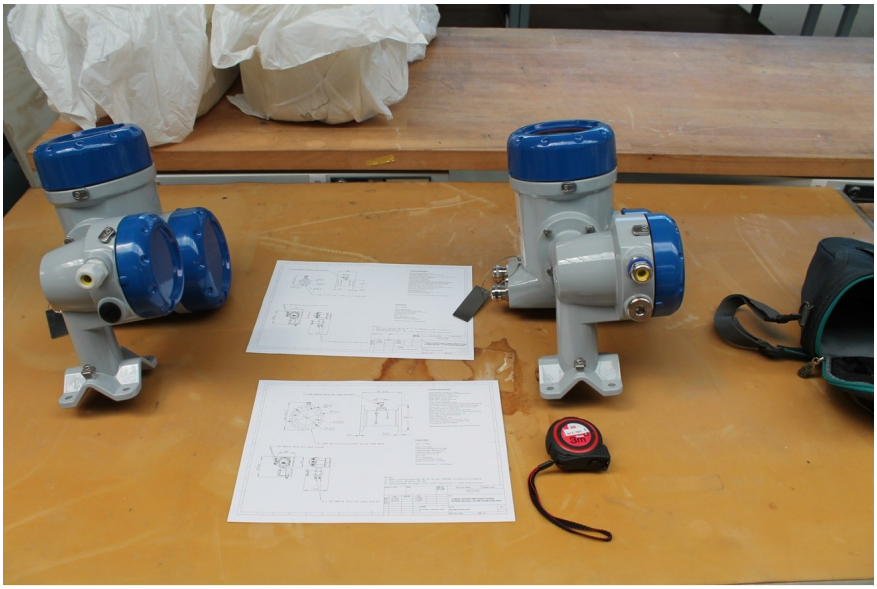
Inline ultrasonic flow measurement

DELIVERY REGION

Middle East

PERIOD

2022



Instruments from the ultrasonic flow measurement supply during final inspection.

KEY PARAMETERS

7 ultrasonic flowmeters in the dispatched lot

Indicative financial band

EUR 100,000-250,000

Wider contract scope including this shipment; excluding VAT

Partial instrument supply

A shipping lot for a petrochemical process contained seven inline ultrasonic flowmeters. It combined Prosonic Flow 92F and G 300 instruments. Different sizes and configurations correspond to different measuring points.

SCOPE OF WORK

- Endress+Hauser Prosonic Flow 92F
- Prosonic Flow G 300

EMKO project portfolio. Contract supplier MIS GROUP s.r.o.; dispatch by EMKO HOLDING s.r.o. (same company ID 04624688).

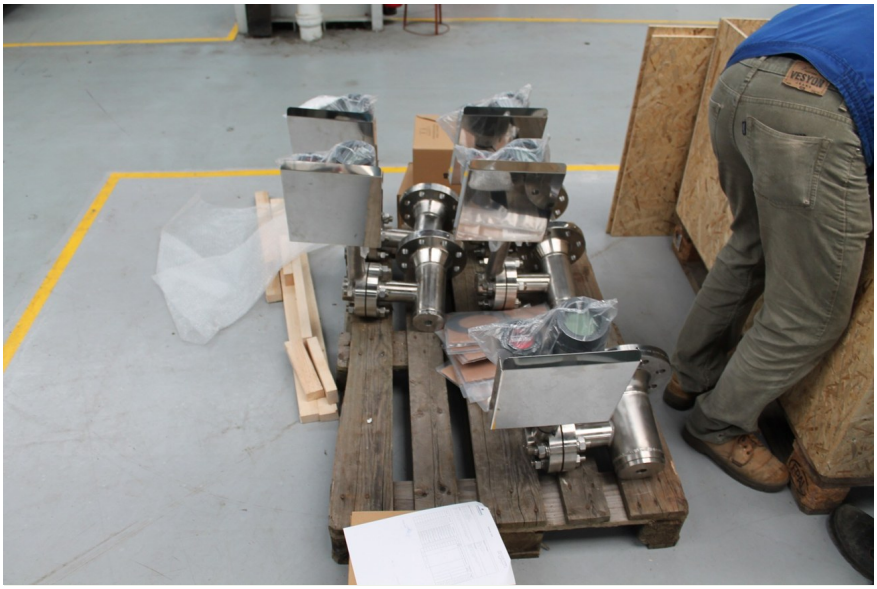
Displacer instruments for gas processing

DELIVERY REGION

Middle East

PERIOD

2022



Photograph from the project.

KEY PARAMETERS

30 displacer transmitters

11 local indicators

6 shipping crates

Dispatch of process components

The instrument package for gas processing comprised 30 displacer level transmitters and 11 ABB JDF200 local indicators. Measuring elements, extension rods and stilling wells were divided between six wooden crates. The dispatched package had a total gross weight of approximately 2.5 tonnes.

SCOPE OF WORK

- 30 main transmitters and 11 ABB JDF200 indicators
- 26 assemblies with extension rods and stilling wells
- 4 separately packed displacers and 4 measuring chambers
- Consolidation into 6 wooden crates

EMKO project portfolio. Dispatch by EMKO HOLDING s.r.o. on behalf of a trading partner.

Level and differential pressure instruments

DELIVERY REGION

Middle East

PERIOD

2021



AI illustration - not the actual delivery.

KEY PARAMETERS

49 instruments

45 displacer instruments + 4 DPTs

3 shipping batches

Instrument and component supply

An instrumentation package for an oil process system included replacement displacer level instruments and differential pressure measurement. Three shipping batches contained 45 displacer instruments and four differential pressure transmitters with flanged diaphragm seals and capillaries. The supply was accompanied by inspections and conformity documentation.

SCOPE OF WORK

- 45 displacer level instruments in three batches
- 4 differential pressure transmitters with flanged diaphragm seals and capillaries
- Fisher FIELDVUE DLC3010 transmitters in displacer assemblies
- Inspection and shipping documentation including certificates of conformity

EMKO project portfolio. Supplier at the time of delivery: MIS GROUP s.r.o.

Pressure, temperature and pH measurement

PROJECT LOCATION

Location undisclosed

PERIOD

2021



AI illustration - not the actual delivery.

KEY PARAMETERS

3 pH sensors and 3 transmitters in the schedule

2 pressure and 2 temperature assemblies

1 communicator in the technical scope

Instrument specification and supply preparation

Project preparation for pressure, temperature and pH instrumentation. The instrument schedule links sensors and transmitters to installation accessories, a communicator and documentation requirements.

SCOPE OF WORK

- PMP75 transmitters and TR66 temperature assemblies
- CPS97D pH sensors and CM42 transmitters
- Emerson AMS Trex communicator

EMKO project portfolio. Supplier at the time of delivery: EMKO HOLDING s.r.o.

Refurbishment of formalin process heat exchangers

EXPORT PROJECT REGION

Middle East

PERIOD

2020-2021



Refurbished exchangers after protective coating work, prepared in the workshop yard.

KEY PARAMETERS

17 exchangers in the refurbishment report

8 heaters and 7 pressure relief valves

Piping stage: 11.12 t net

Refurbishment and partial dispatch stages

Staged refurbishment of selected formalin process equipment for an export project. Documented work covers 17 shell-and-tube heat exchangers, repairs and checks of electric heaters, servicing of pressure relief valves and preparation of piping assemblies for transport.

SCOPE OF WORK

- Refurbishment of 17 shell-and-tube exchangers; pressure tests at 10 barg / 15 minutes
- Repairs and checks of 8 electric heaters; service of 7 pressure relief valves
- Replacement seals, protective coating and preparation for transport
- Piping stage: DN 40-350, 11.12 t net in three packing records

Historical project portfolio; the commercial records identify the supplier as MIS GROUP s.r.o., company ID 04624688.

Thermal mass flowmeters

DELIVERY REGION

Middle East

PERIOD

2021



Thermal flowmeters and accessories arranged in a shipping crate.

KEY PARAMETERS

2 flowmeters in partial shipments

Partial instrument supply

Supply of thermal mass flowmeters for process measuring points. ST102A instruments use the thermal principle to measure gas flow. Two partial shipments contained the main measuring equipment and accessories for the supplied assemblies.

SCOPE OF WORK

- ST102A instruments
- Packing and dispatch by shipment

EMKO project portfolio. Supplier at the time of delivery: MIS GROUP s.r.o.

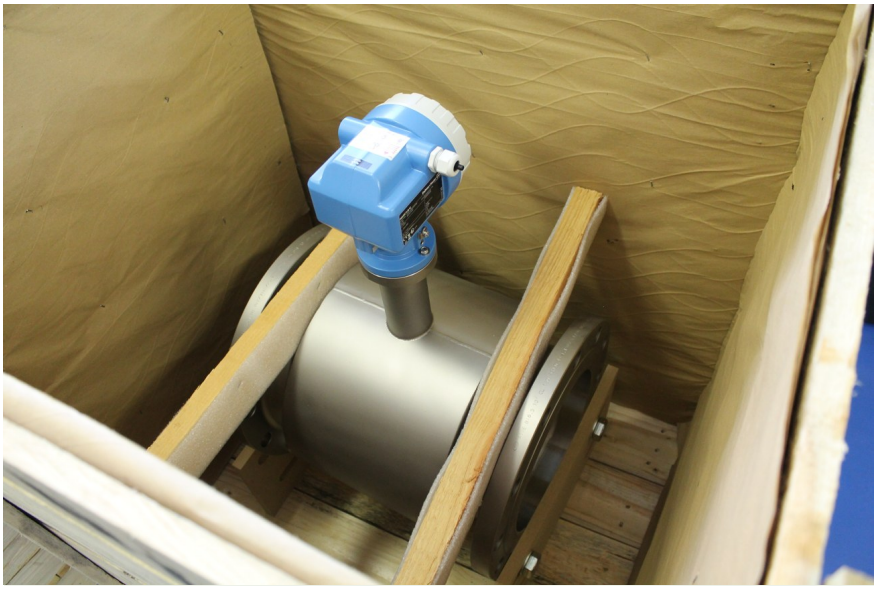
De-oiling valves and instrumentation

DELIVERY REGION

Middle East

PERIOD

2020



Flanged flowmeter with transmitter secured in a shipping crate.

KEY PARAMETERS

43 components in the main lot

6 spare safety valves

Dispatch of process components

Supply of valves and instrumentation for condensate de-oiling. Pneumatically actuated ball valves in carbon steel and stainless steel were complemented by measuring instruments. The main shipping lot contained 43 components, with six spare safety valves in a separate shipment.

SCOPE OF WORK

- Pneumatically actuated shut-off ball valves
- Carbon steel and stainless steel versions
- Spare safety valves

EMKO project portfolio. Supplier at the time of delivery: MIS GROUP s.r.o.

Cogeneration unit audit

AUDIT LOCATION

Czechia

PERIOD

2020



Jenbacher cogeneration unit documented during a technical audit.

KEY PARAMETERS

Jenbacher cogeneration unit

Technical audit

A technical audit of a cogeneration unit in Czechia in 2020. The photograph shows the audited Jenbacher equipment.

SCOPE OF WORK

- Technical audit of a cogeneration unit

EMKO project portfolio.

Gas pipeline connection components

DELIVERY REGION

Middle East

PERIOD

2020



Photograph from the project.

KEY PARAMETERS

DN900 insulating joint

24 shipping packages in two shipping lots

Dispatch of process components

Supply of piping components to connect a process unit to gas pipeline infrastructure. The scope included seamless pipes, flanges, fittings, branches and connecting parts. The shipment also included a DN900 insulating joint.

SCOPE OF WORK

- Seamless pipes
- Flanges and pipe fittings
- Branches and associated connecting parts

EMKO project portfolio. Supplier at the time of delivery: MIS GROUP s.r.o.

Pre-dispatch inspection of a reverse-osmosis skid

INSPECTION LOCATION

Czechia

PERIOD

2020



Reverse-osmosis skid during pre-dispatch inspection.

KEY PARAMETERS

Reverse-osmosis water treatment

Pre-dispatch inspection

Inspection of a reverse-osmosis water-treatment skid before dispatch. The work took place in Czechia in 2020; the photographs show the complete skid and a flow-indicator detail.

SCOPE OF WORK

- Pre-dispatch inspection of a reverse-osmosis skid

EMKO project portfolio.