



Erfahrung – Service – Qualität
Experience – Service – Quality



... seit über 40 Jahren stehen wir für Kontinuität
... for more than 40 years we have stood for continuity



Erfahrung – Service – Qualität
Experience – Service – Quality

The background of the slide is a grayscale photograph of industrial machinery, likely a liquefied gas plant. It shows various pipes, valves, and pressure gauges. The FAS logo is faintly visible on the equipment panels.

WELCOME to FAS

... seit über 40 Jahren stehen wir für Kontinuität

... for more than 40 years we have stood for continuity

HEADQUARTER IN SALZGITTER

Peiner Str. 217



HEADQUARTER IN SALZGITTER

Peiner Str. 217



- ▶ 5 manufacturing halls
- ▶ 1000 m² storage area
- ▶ 1,2 ha total area
- ▶ Approx. 200 employees



MISSION AND VISION

- ▶ **“It is our mission to encourage the safe handling of LPG as an energy source by delivering the complete equipment.”**
- ▶ **“We set the ambitious goal to become the leading company for LPG equipment!”**



MISSION AND VISION

► “According to the motto
“A new country every year!”,
we seek to further expand our
international business contacts and
to develop new markets worldwide.
Today, FAS is represented in
over 50 countries with their own
offices and partners.”



Lutz Jeremias (Managing Director)

WORKSHOP



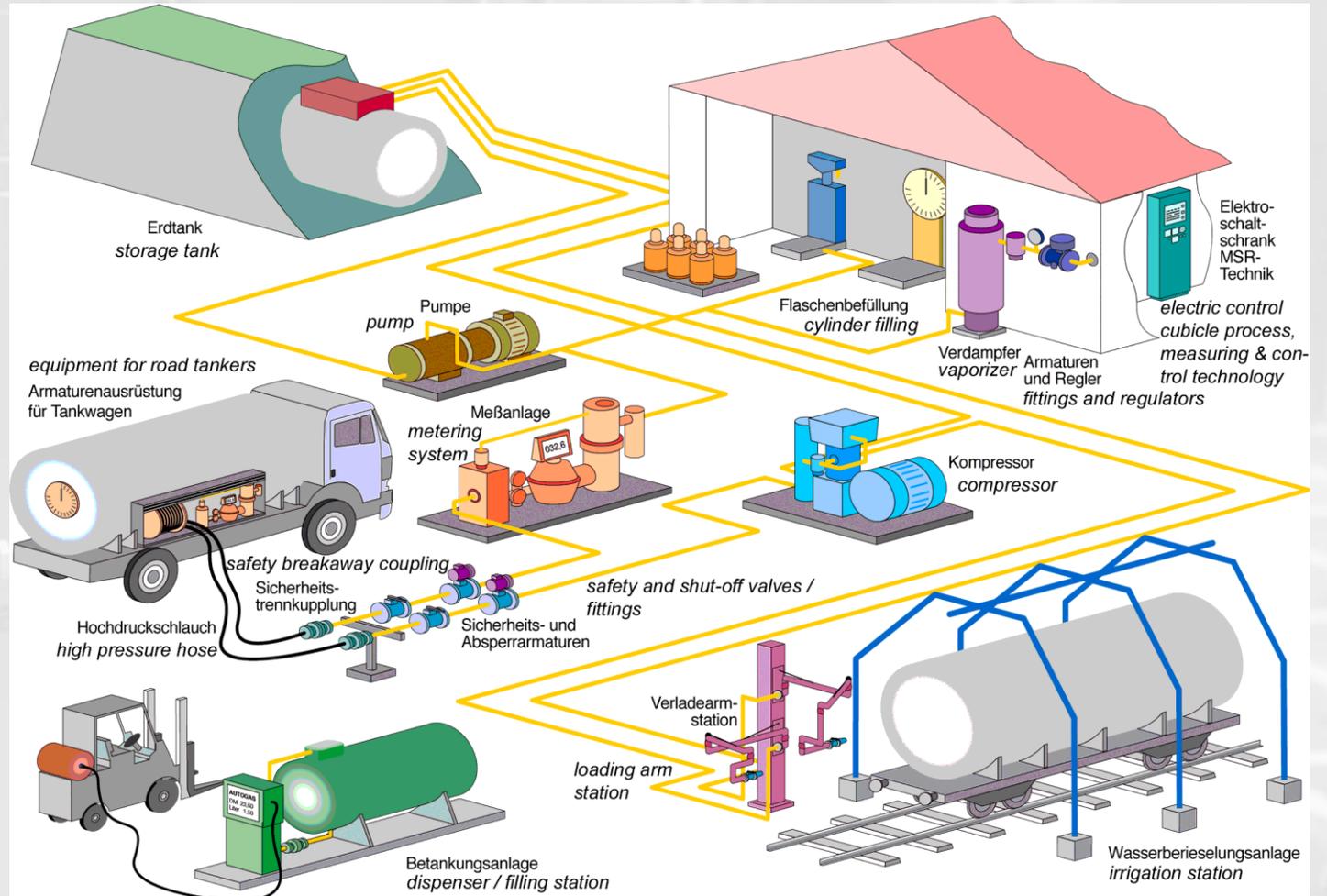
▶ Insight into the various FAS workshop areas

THE FAS PRODUCT PORTFOLIO

Our complete range of
LPG-EQUIPMENT

for

- Storage
- Transportation
- Measuring
- and supply of LPG



WORKSHOP



Production of Vaporizers



FAS Product Portfolio: Vaporizers
Dry-type Vaporizer, Type FAS 2000

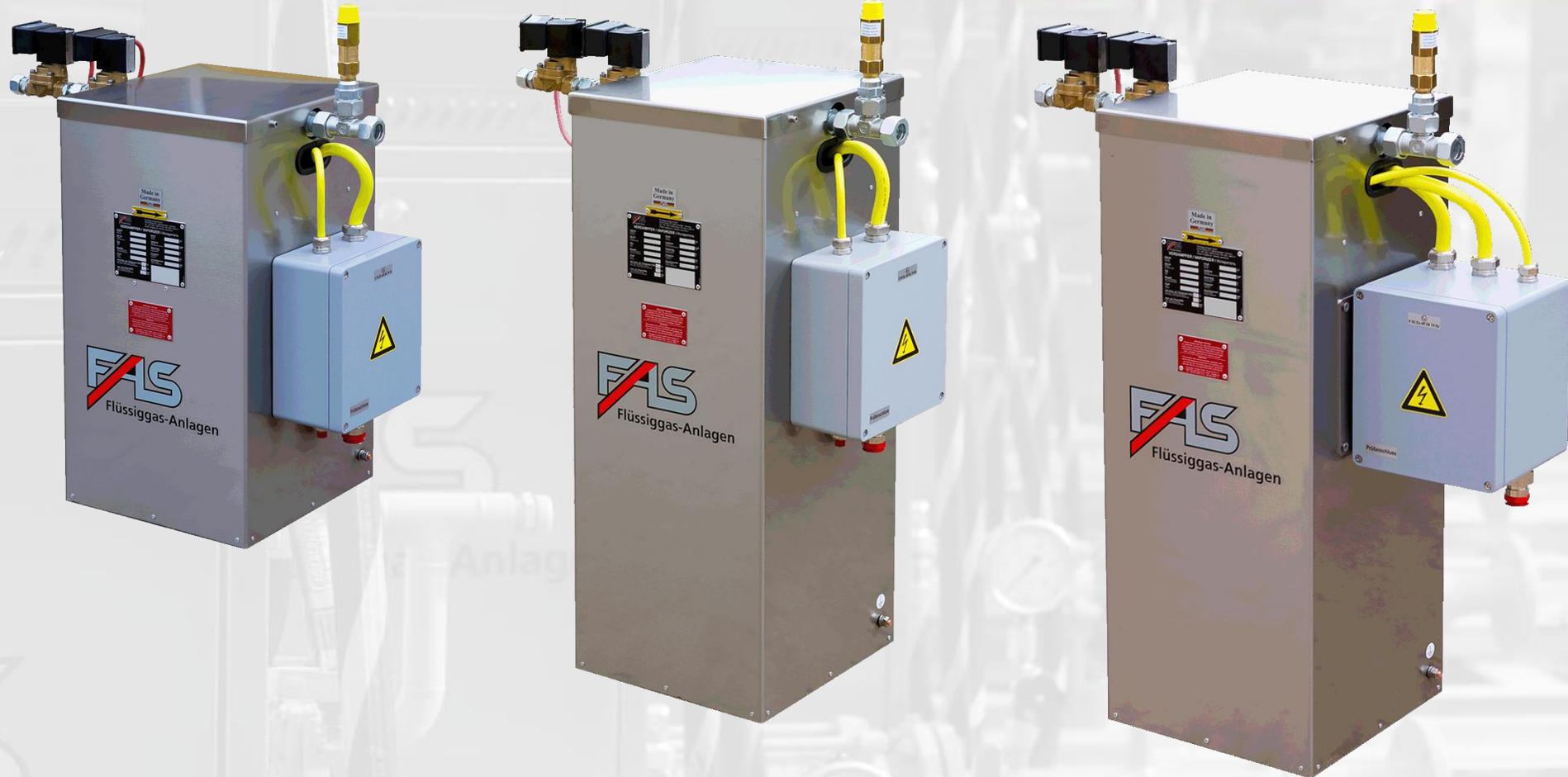


PLUG-IN VERSION READY FOR CONNECTION !



▶ **Capacity 15 kg/h - 40 kg/h, Voltage 230 V, 50-60 Hz**

FAS Product Portfolio: Vaporizers
Dry-type Vaporizer, Type FAS 2000



Capacity 60 kg/h to 170 kg/h, Voltage 400 V, 50 Hz

FAS Product Portfolio: Vaporizers
Cabinet Construction with Single Vaporizer, Type FAS 2000



◆ **Capacity 15 kg/h to 170 kg/h**

FAS Product Portfolio: Vaporizers
Cabinet Construction with Multiple Vaporizer, Type FAS 2000



▶ **Capacity up to 620 kg/h (4 x 170 kg/h)**

FAS Product Portfolio: Vaporizers
Vaporizer Unit, Type FAS 2000, Cabinet Construction with Storage Tank



➤ **Also available as FAS skid unit**

FAS Product Portfolio: Vaporizer
Vaporizer Unit in Container, Capacity 7000 kg/h

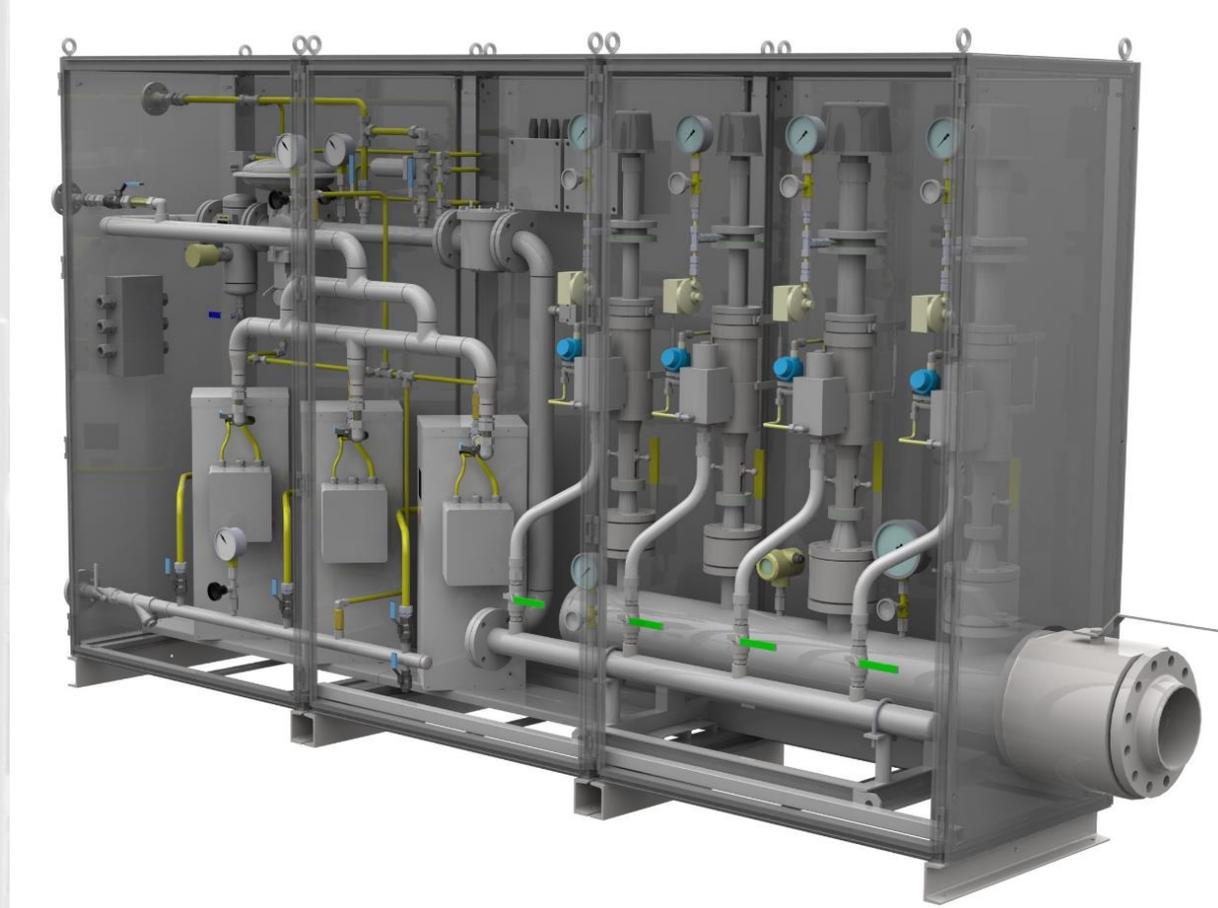


FAS Product Portfolio: Vaporizers
Hot Water Vaporizer Unit in Cabinet, Type FAS 3000



➤ **Capacity up to 20.000 kg/h**

FAS Product Portfolio: SNG-Systems
Propane-Air-Mixing Units



FAS Product Portfolio: SNG-Systems
Propane-Air-Mixing Unit, Type FAS 4000 LP (Low Pressure)



FAS Product Portfolio: SNG-Systems
Propane-Air-Mixing Unit FAS 4000-32 LP - Cabinet Construction



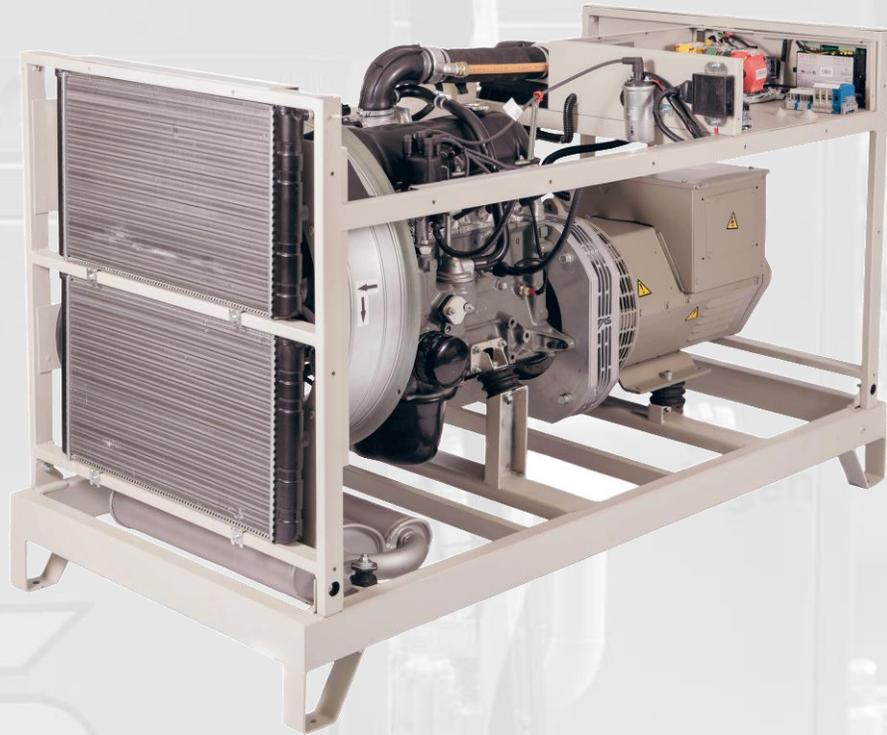
FAS Product Portfolio: SNG-Systems
Propane-Air-Mixing Unit – Type FAS 4000 HP (High Pressure)



FAS Product Portfolio: SNG-Systems
Vaporizer Unit with Mixing System in Cabinet Construction



FAS Product Portfolio: Generators
Water-Cooled NG and LPG Generator



FAS Product Portfolio: Generators
Water-Cooled NG and LPG Generator

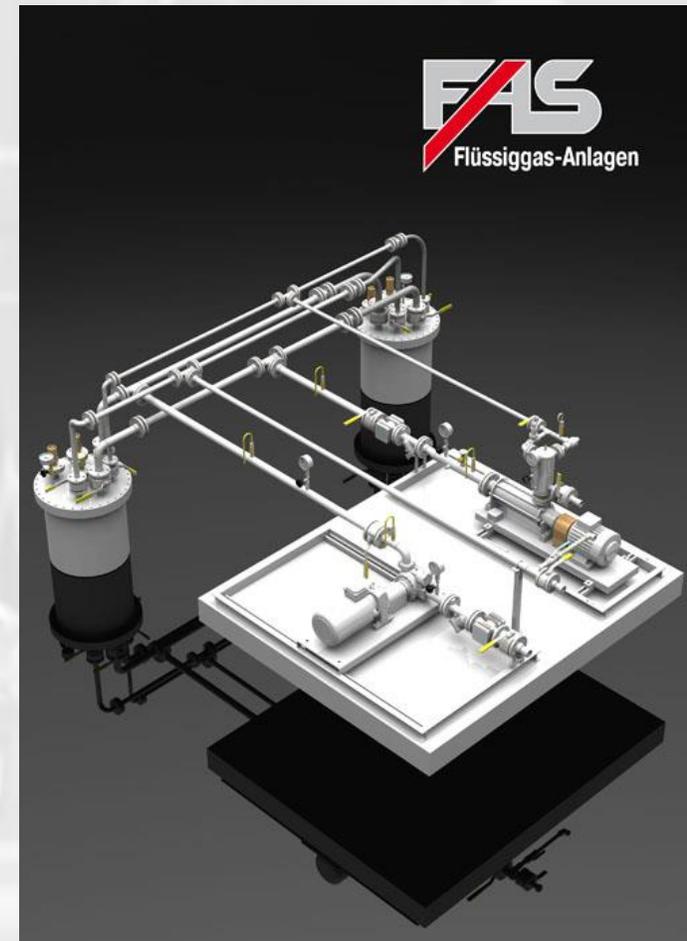
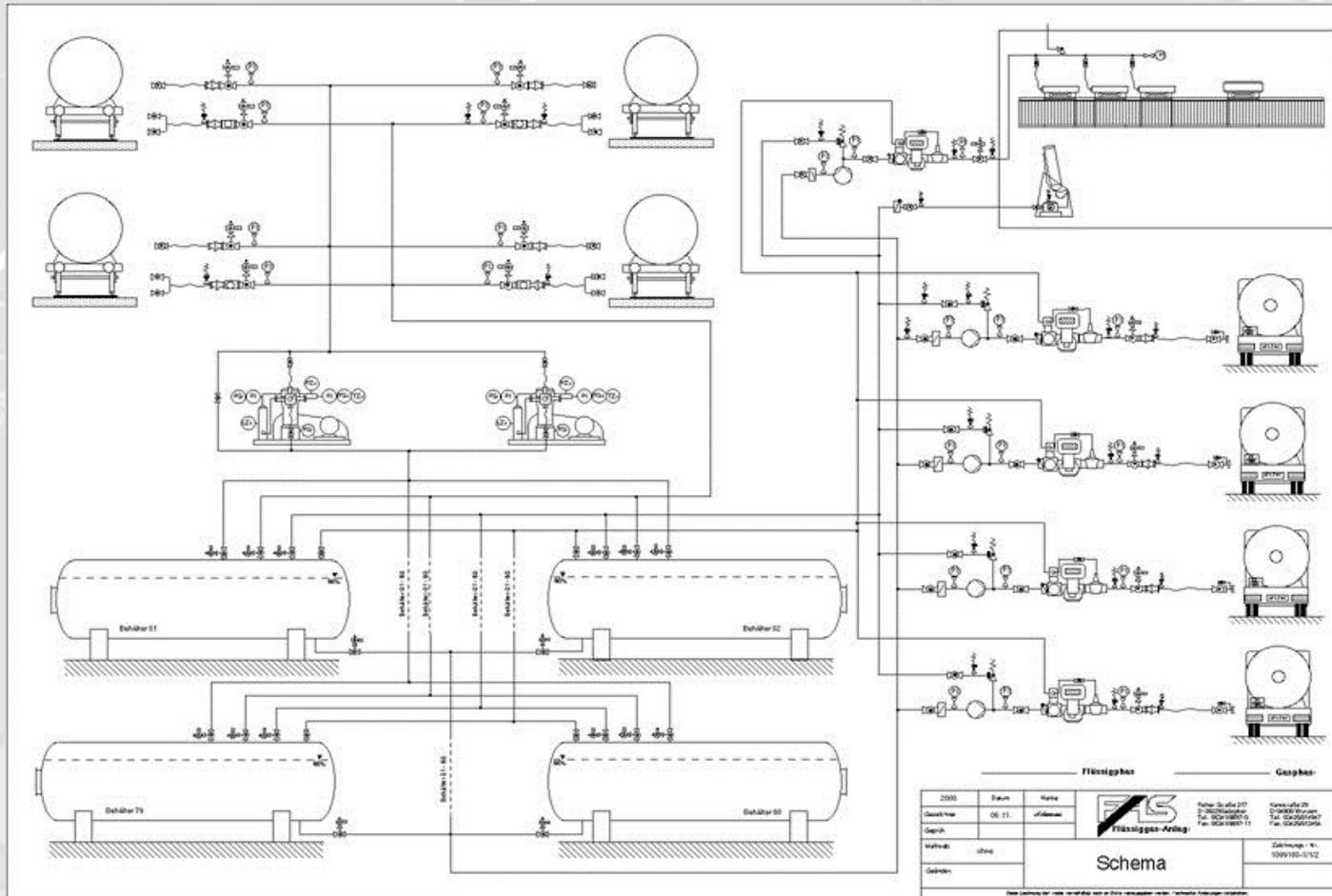


**New Version
with CE-approval**

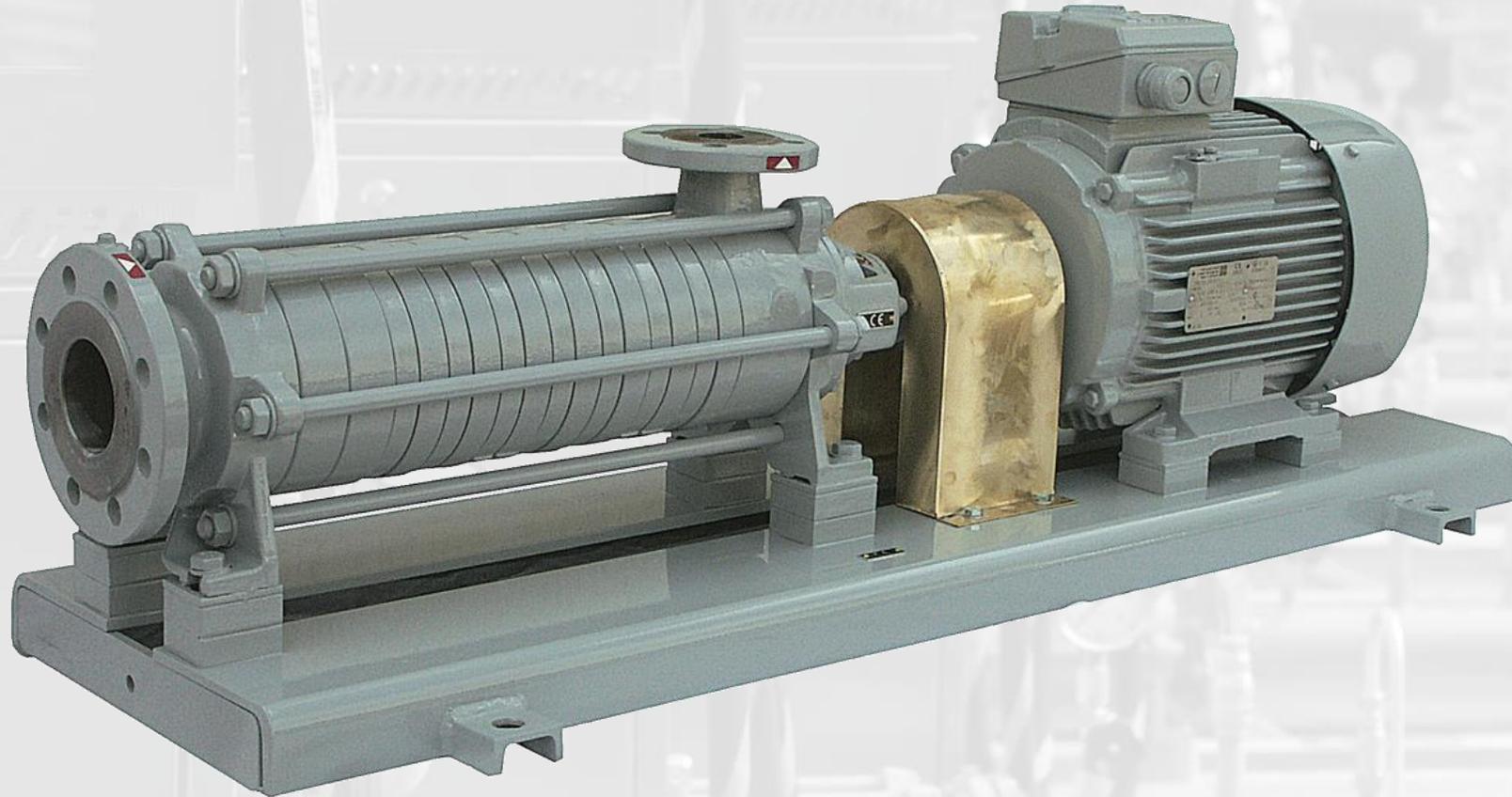
FAS Product Portfolio: Terminal Equipment
LPG Terminal



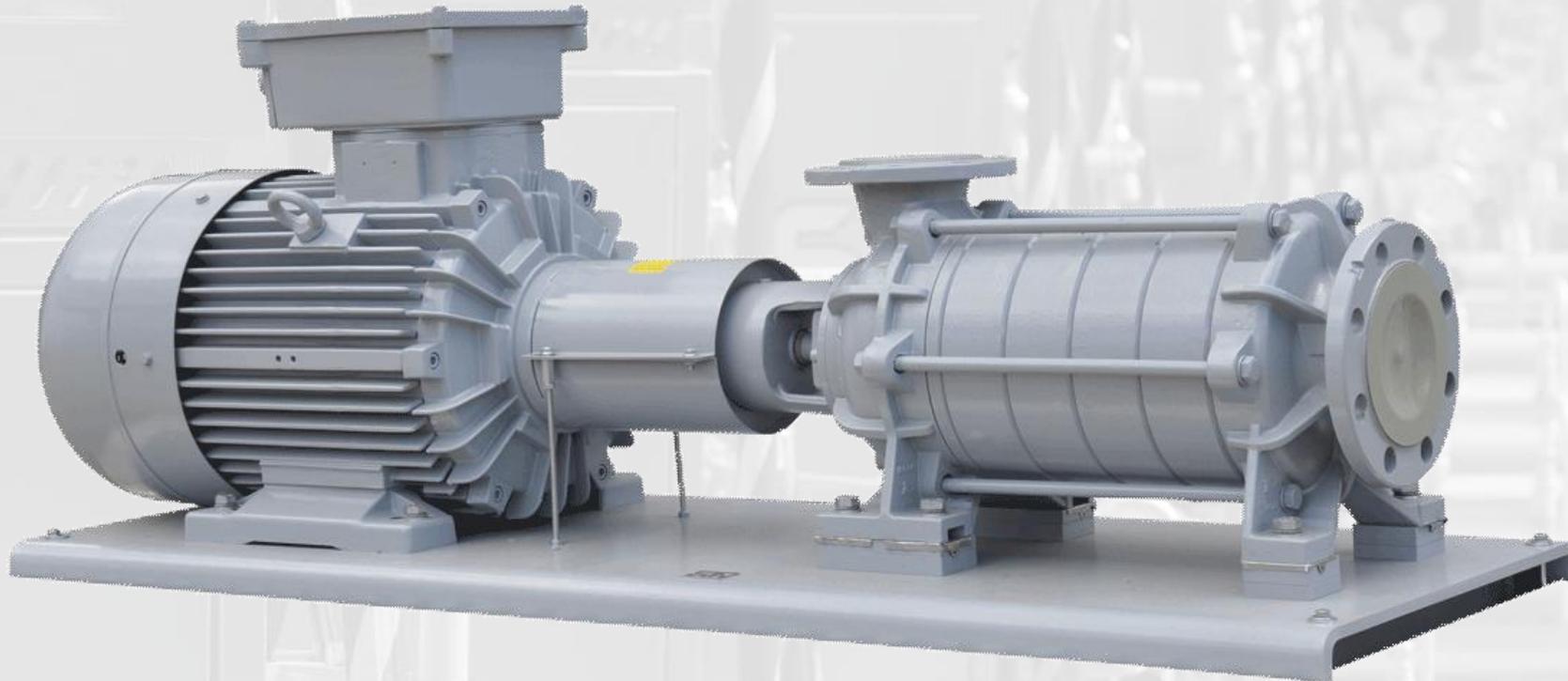
FAS Product Portfolio: Terminal Equipment "Turn-Key" Projects



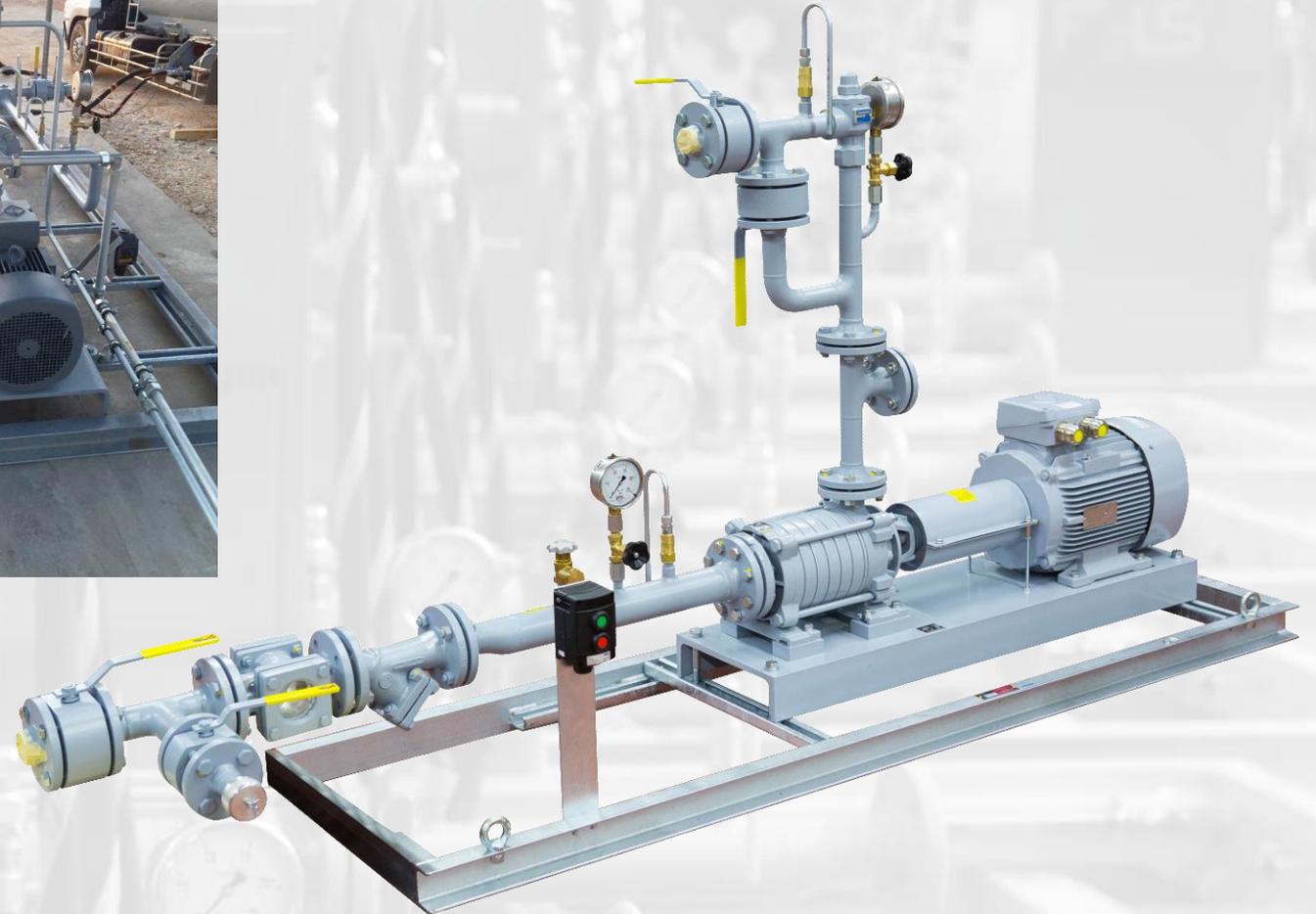
FAS Product Portfolio: Pump Unit
Side Channel Pump Unit



FAS Product Portfolio: Pump Unit
High Performance Pump Unit, Type FAS NZ (up to 170 m³/h)



FAS Product Portfolio: Pump Units
Fully Equipped Centrifugal Pump Units



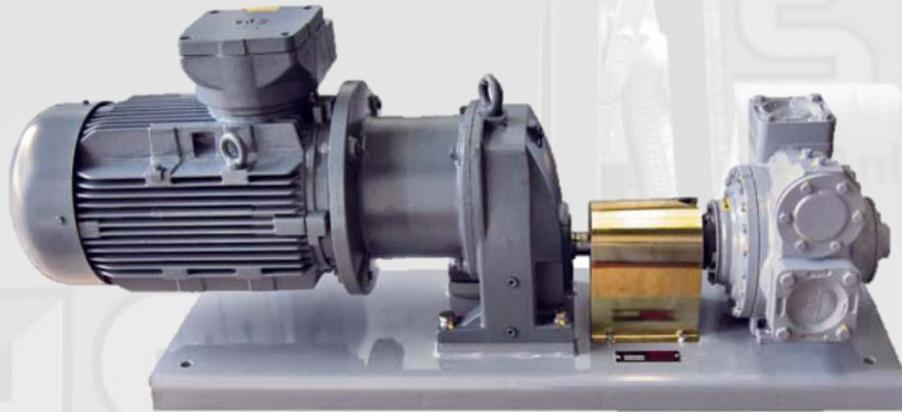
FAS Product Portfolio: Terminal Equipment
Pump Installation



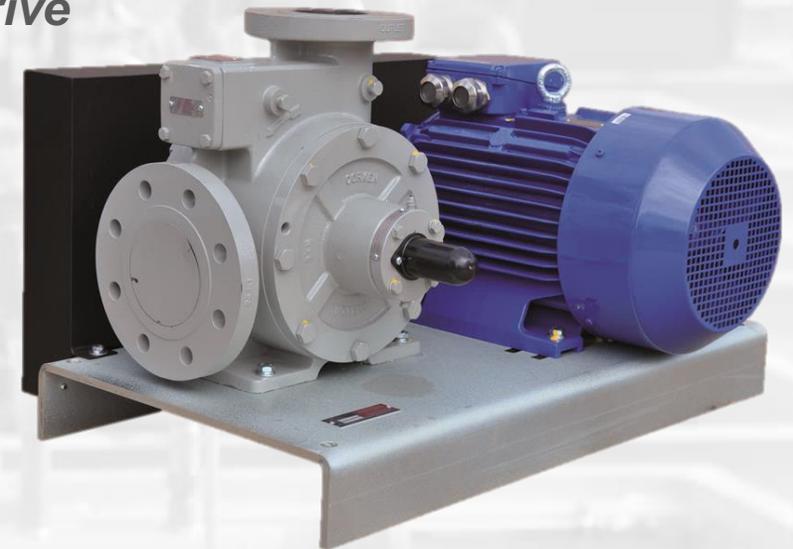
FAS Product Portfolio: Pump Units
Positive Displacement Sliding Vane Pumps



▶ **Pump unit Z3500 with hydraulic drive**

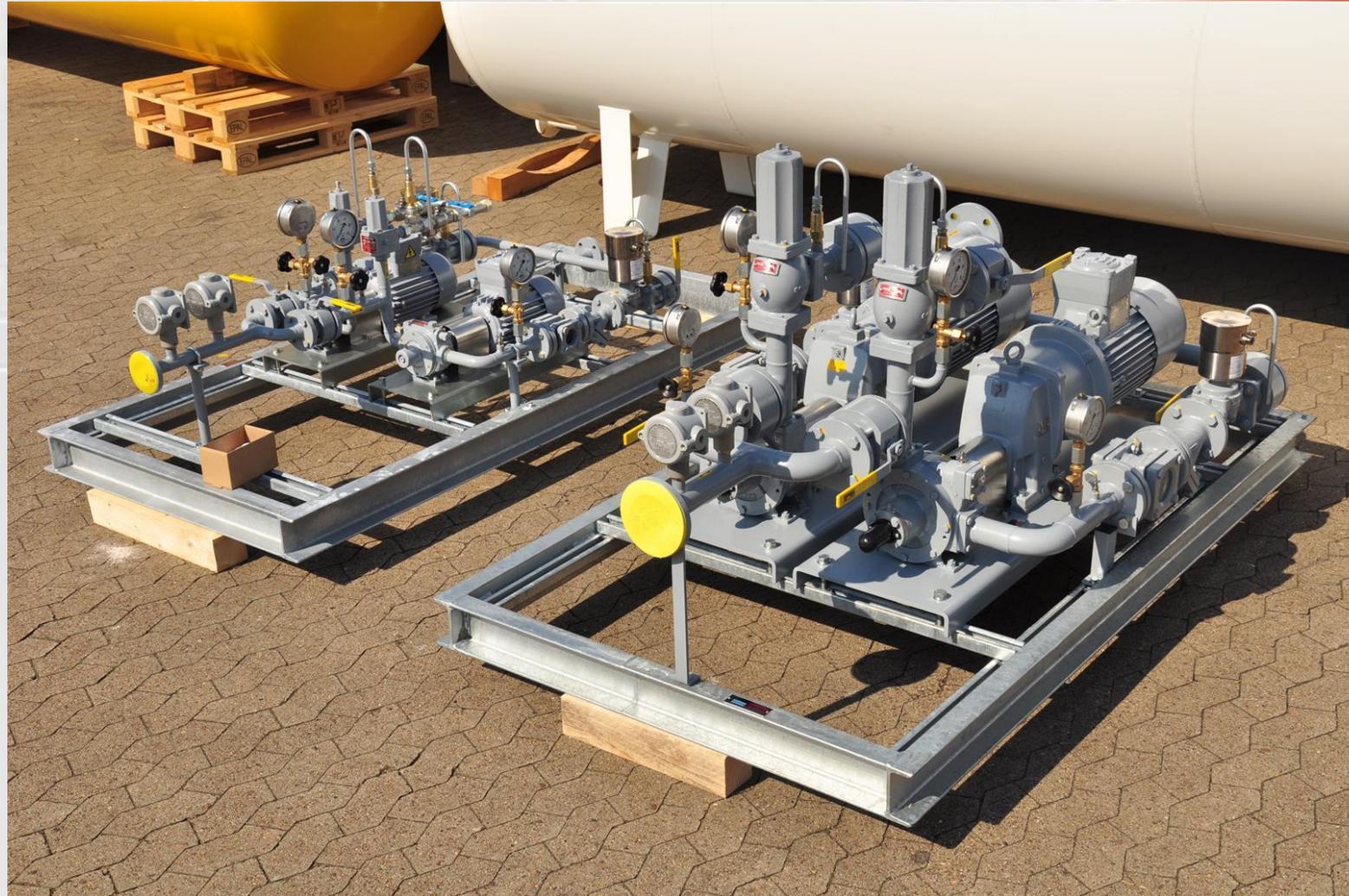


▶ **Pump unit Z2000 with gear motor**



▶ **Pump unit Z4500 with V-belt drive**

FAS Product Portfolio: Pump Units
Pumping System with pump model Z2000



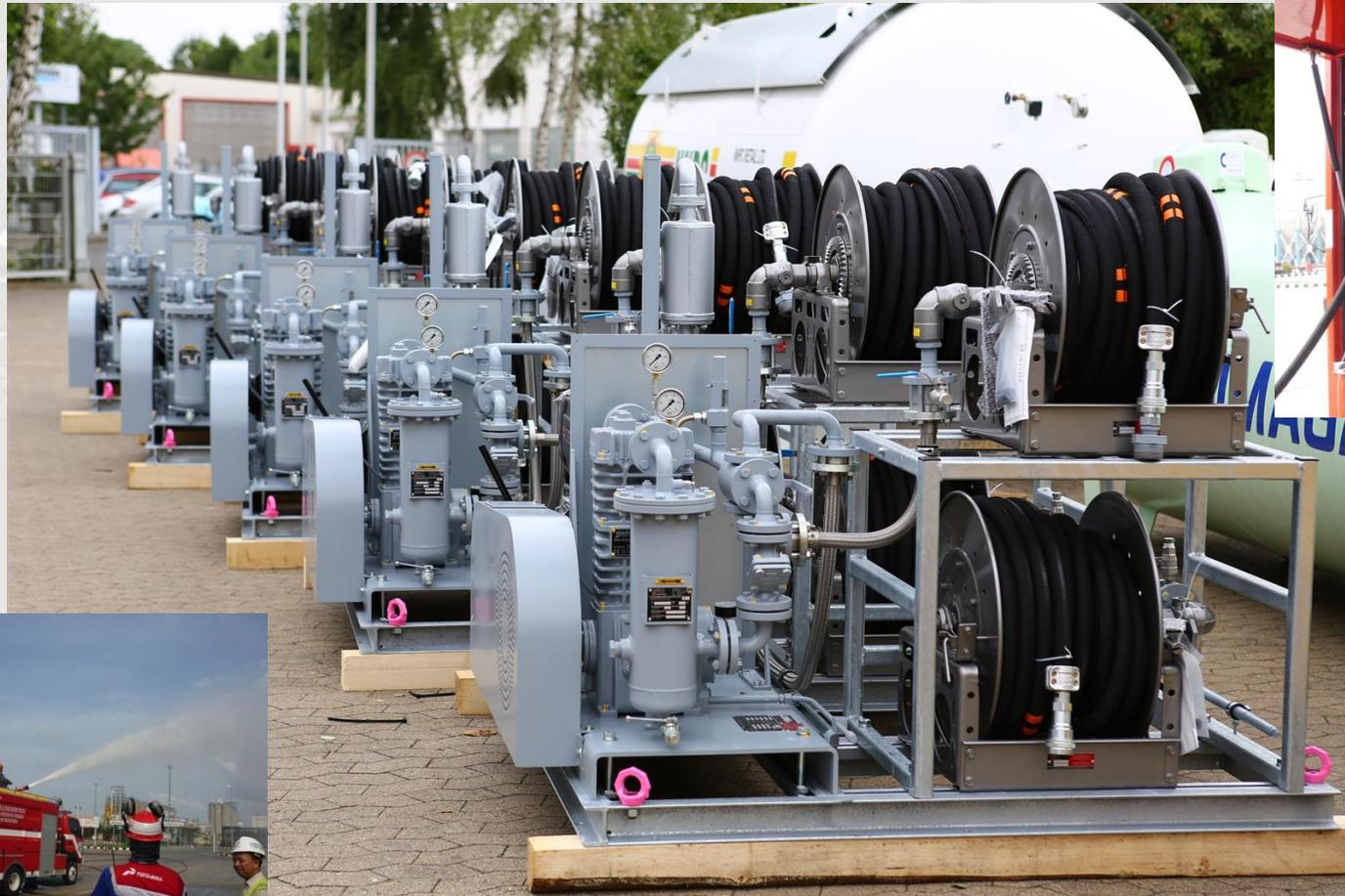
FAS Product Portfolio:
Pump and Compressor System in Container



**FAS Product Portfolio:
Pump and Compressor Installation**



FAS Product Portfolio: Compressor Units
(Special execution on customer request)



FAS Product Portfolio: Compressor Units
Horizontal Compressors up to a Capacity of 400 m³/h



FAS Product Portfolio: Compressor Units
Mobile Compressor Unit



FAS Product Portfolio: Compressor Units
Mobile Compressor Unit



FAS Product Portfolio: Loading Arm Station



FAS Product Portfolio: Loading Arm Stations



FAS Product Portfolio: Loading Arms
Loading and Unloading Plant



FAS Product Portfolio: Road Tanker Equipment
Complete Equipment Kit for Road Tankers

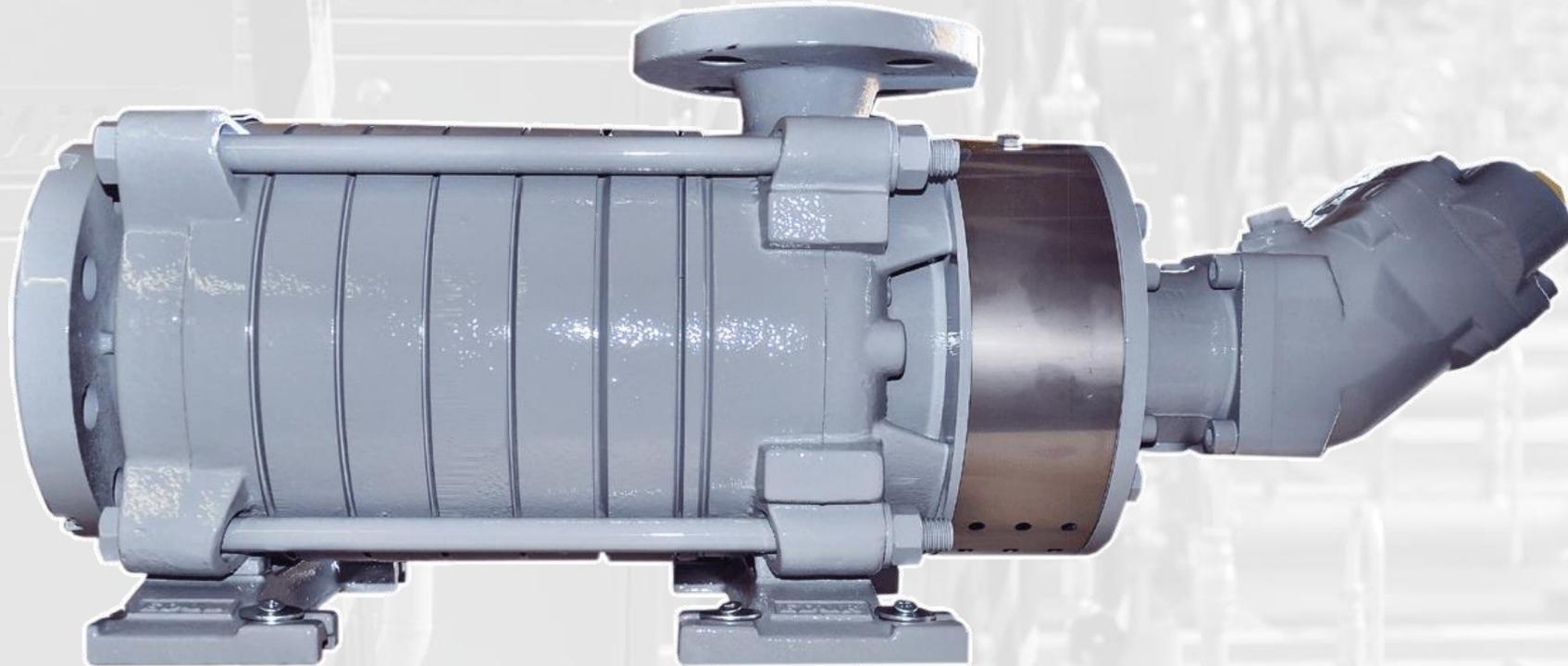


FAS Product Portfolio: Road Tanker Equipment
Complete Equipment Kit for Road Tankers





FAS Product Portfolio: Road Tanker Equipment
Pump Type NZ-STW



FAS Product Portfolio: Road Tanker Equipment
Measuring Station Type FAS-LPG-Control MID 400



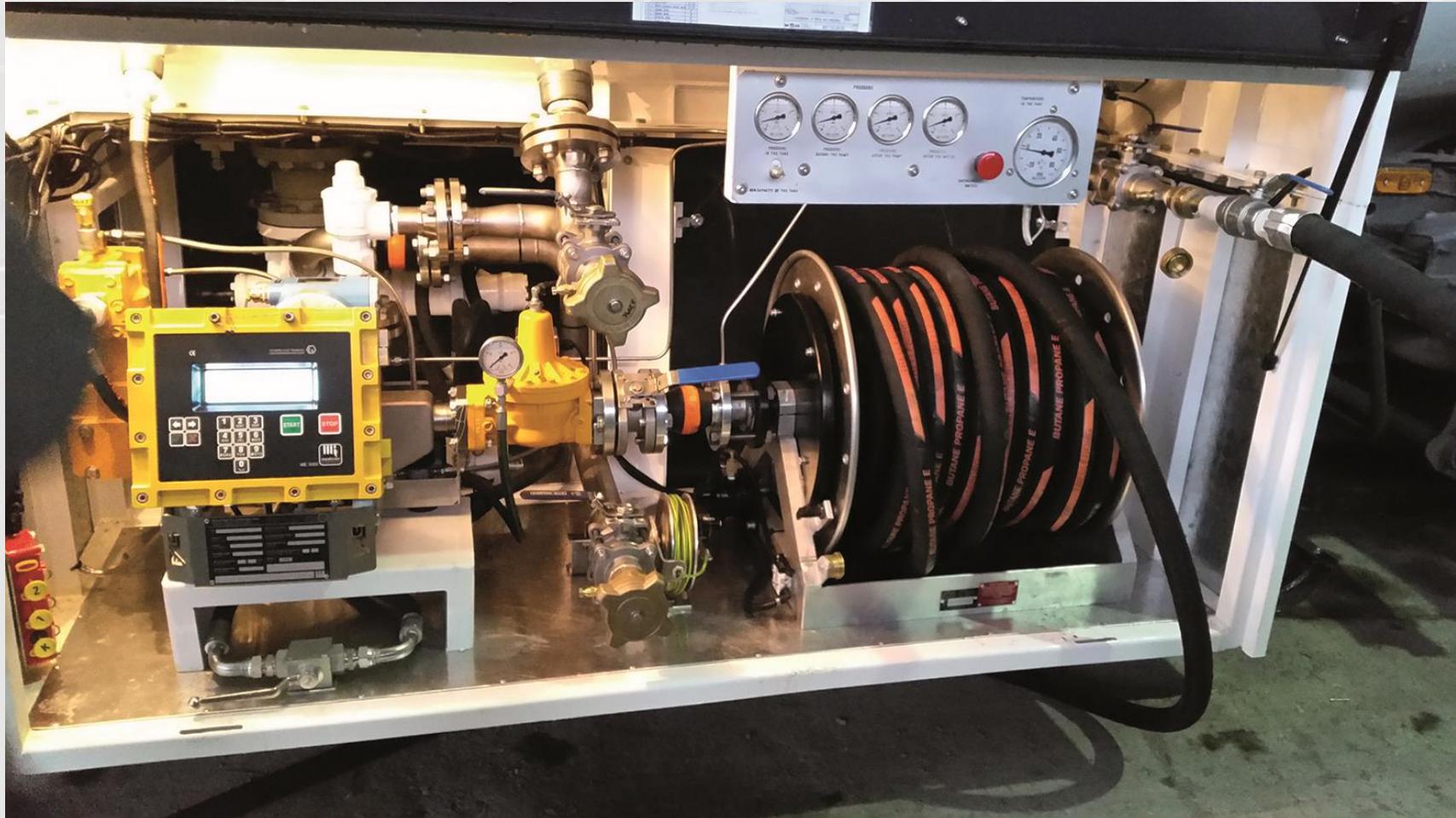
- ▶ Coriolis meter in special design
- ▶ Filling in kilogram and/or liter
- ▶ Continual transfer of density data

FAS Product Portfolio: Road Tanker Equipment
Hose Reel Type VIP40



- ◆ Aluminium lightweight construction
- ◆ Corrosion-free
- ◆ Robust and compact design
by internally installed swivel joint

FAS Product Portfolio: Road Tanker Equipment
Measuring Station MID 400 and Hose Reel Type VIP40 installed



FAS Product Portfolio: Road Tanker Equipment
Measuring Station Type MA7-TE550 Truck III



➤ **Electronic Data Collection LCR-TE550**

FAS Product Portfolio: Measuring Station
Type MA7-TE550 Truck III – Execution on Customer Request



FAS Product Portfolio: Measuring Systems
Calibration Station



WORKSHOP



► Production of Dispensers

FAS Product Portfolio: Autogas Dispensers
Autogas Dispensers, type FAS-120



FAS Product Portfolio: Autogas Dispensers
Autogas Dispensers, Type FAS-130, not suitable for calibration



FAS Product Portfolio: Autogas Dispensers
Autogas Dispenser, Type FAS-430, not suitable for calibration



FAS Product Portfolio: Autogas Dispensers
Autogas Dispensers, Type FAS-220 / FAS-230 / FAS-240



FAS Product Portfolio: Autogas Dispensers
Autogas Dispenser Type FAS-230 „High Mast“



FAS Product Portfolio: Autogas Dispensers Autogas Management System



Receipt Printer

Datatransfer



Evaluation

FAS Product Portfolio: Autogas Dispensers
Electronic Autogas Dispensers, Type FAS-420 (for Credit Cards)



FAS Product Portfolio: Autogas Dispensers
Electronic LPG Dispenser, Type FAS-120 (for Road Tankers and Busses)



**Flow rate
up to 130 l/min**



FAS Product Portfolio: Autogas Dispensers
Different Versions of LPG Dispensers in FAS Workshop



FAS Product Portfolio: LPG Filling Stations for Internal Use
Compact Filling Station with Dispenser Type FAS-130



FAS Product Portfolio: LPG Filling Stations for Internal Use
Compact Filling Station with Dispenser FAS-130 with Mechanical Counter



FAS Product Portfolio: LPG Filling Stations for Internal Use
Compact Filling Station with Dispensing Device



FAS Product Portfolio: LPG Filling Stations for Internal Use
Fork Lift Truck Filling



FAS Product Portfolio: LPG Filling Stations
- For Road Tankers with High Capacity Dispenser Type FAS-230

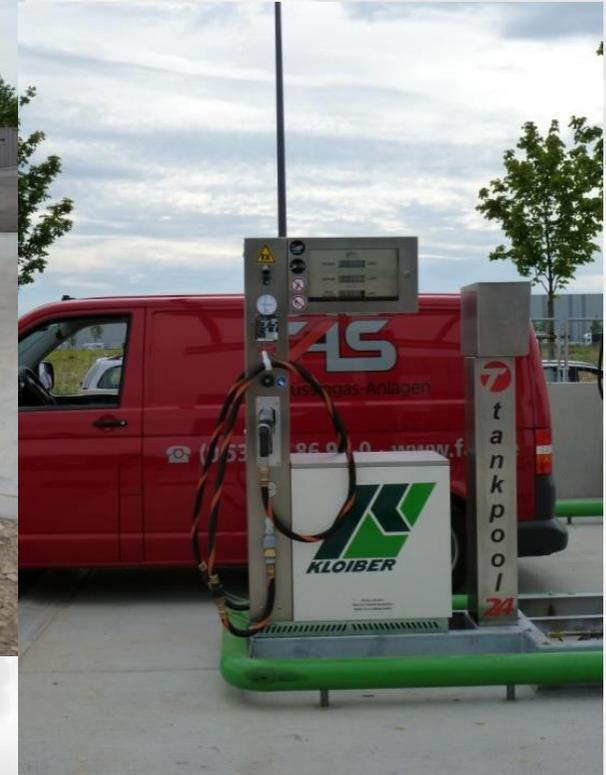


FAS Product Portfolio: LPG Filling Stations
- For Car and Road Tankers with High Capacity Dispenser Type FAS-120



**Flow rate up to
130 l/min**

FAS Product Portfolio: LPG Filling Stations
Road Tanker Filling Station with High Capacity Dispenser type FAS-230



FAS Product Portfolio: LPG Filling Stations
Road Tanker Filling Station: Embedding of Tank



FAS Product Portfolio: LPG Filling Stations
Autogas Filling Station: Embedding of Tank



FAS Product Portfolio: LPG Filling Stations
Autogas Filling Station: Embedding of Tank



FAS Product Portfolio: LPG Filling Stations
Thermoflex Flexible Pipework for LPG Filling Stations and Industrial Application



FAS Product Portfolio: LPG Filling Stations
Compact Filling Station with Dispenser Type FAS-420 & Protection Roof



FAS Product Portfolio: LPG Filling Stations
Compact Filling Station with Dispenser Type FAS-120 & Protection Roof



FAS Product Portfolio: Autogas Filling Stations
Domepit of Underground Tank



FAS Product Portfolio: Autogas Dispensers
Autogas Filling Station with Dispenser Type FAS-230



FAS Product Portfolio: Autogas Dispensers
Autogas Filling Station with Dispenser Type FAS-230



FAS Product Portfolio: Autogas Dispensers
Autogas Filling Station with Dispenser Type FAS-230 „High-Mast“



FAS Product Portfolio: Autogas Dispensers
Autogas Filling Station with Dispenser Type FAS-230 „High-Mast“



FAS Product Portfolio: Autogas Dispensers
Autogas Filling Station with Dispenser Type FAS-230 „High-Mast“



FAS Product Portfolio: Autogas Dispensers
Autogas Filling Station with Dispenser Type FAS-230 „High-Mast“



FAS Product Portfolio: Autogas Dispensers
**Autogas Filling Station with Dispenser Type 230 „High Mast“ and Additional
Dispensing Point for Industrial Distribution**



▶ Pumping System

▶ Measuring System

FAS Product Portfolio: Compact LPG Filling Station
Cylinder and Vehicle Filling with “Combi-Fill”



FAS Product Portfolio: Compact LPG Filling Stations
Cylinder and Vehicle Filling



FAS Product Portfolio: Compact LPG Filling Stations
Cylinder and Vehicle Filling



FAS Product Portfolio: Compact LPG Filling Stations
Cylinder and Vehicle Filling – Execution on Customer Request



FAS Product Portfolio: Compact LPG Filling Stations
Cylinder and Vehicle Filling – Execution on Customer Request



FAS Product Portfolio: Compact LPG Filling Stations
Cylinder and Vehicle Filling – Execution on Customer Request



FAS Product Portfolio: Compact LPG Filling Stations
Cylinder and Vehicle Filling – Execution on Customer Request



FAS Product Portfolio: Compact Cylinder Filling Stations
- Cabinet Construction -



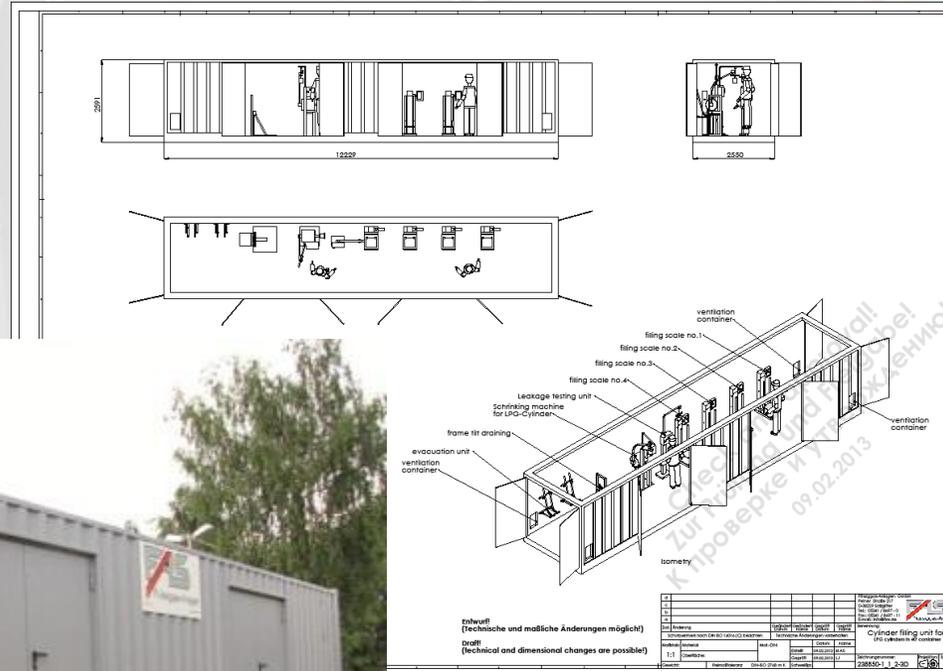
FAS Product Portfolio: Compact Cylinder Filling Stations
- Container Version -



FAS Product Portfolio: Compact Cylinder Filling Stations
- Container-Version -



FAS Product Portfolio: Compact Cylinder Filling Stations - Container Version -



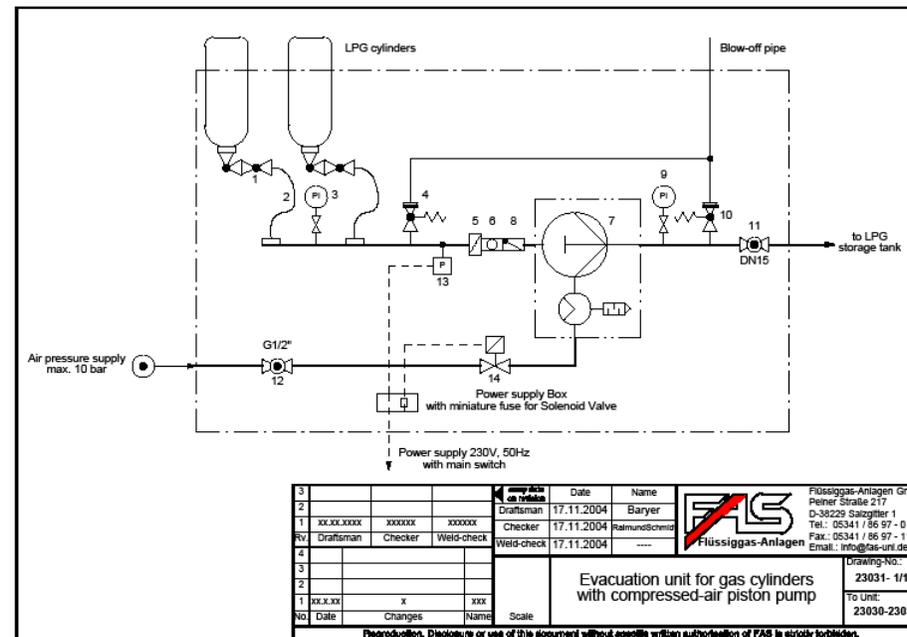
FAS Product Portfolio: Compact Cylinder Filling Stations
- Container Version -



FAS Product Portfolio: Compact Cylinder Filling Stations
- Container Version -



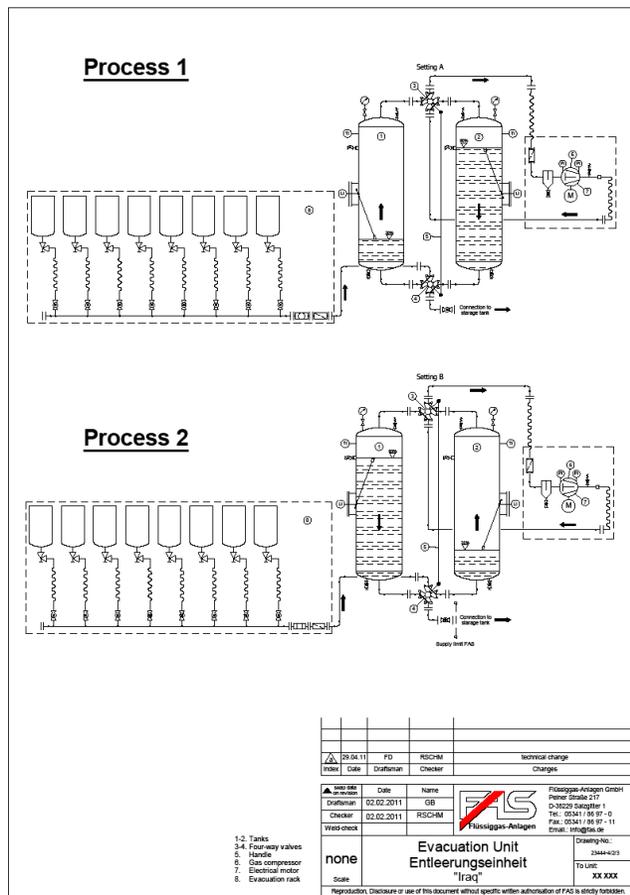
FAS Product Portfolio: Evacuation Unit for Gas Cylinders



FAS Product Portfolio: Evacuation Unit for Gas Cylinders



FAS Product Portfolio: Evacuation Unit for Gas Cylinders



FAS Product Portfolio: Evacuation Unit for Gas Cylinders



MAINTENANCE, SERVICE, CALIBRATION



- ◆ Repair, maintenance, service and calibration of LPG dispensers and Autogas filling stations, vaporizers, compressors etc.

FAS-Service-Team:

- ▶ 18 experts
- ▶ 15 Service vehicles
- ▶ 3 calibration vehicles
- ▶ 7 support points in Germany

Service-Hotline:
05341 8697 88



FAS-Services in Germany at one glance:

- ▶ Repair, maintenance, service
- ▶ Service agreement
- ▶ 24h-phone support and hotline
- ▶ Technical help desk
- ▶ Online request
- ▶ Administration / supervision of inspection periods
- ▶ Mobile inspection technology for your Autogas dispenser



Service-Hotline:
05341 8697 88

Knowledge sharing is part of our philosophy:

- ▶ In-House Training
- ▶ Onsite Support
- ▶ Short Communication Channels
- ▶ Regular Updates



Our services at one glance:

- ◆ Consultation & requirement analysis
- ◆ Profitability assessment
- ◆ Feasibility Studies
- ◆ Customer-specific, innovative product or application development
- ◆ Project management incl. Installation, pipeline and electrical planning
- ◆ CAD design, R&I Diagrams
- ◆ Authorization and approval procedures
- ◆ Construction and progress scheduling



*Small Selection of the Product Portfolio
of our Sister Company*



*Type WAER 100 ex/e
with two filling
connections*



*Type WAER 100 ex/e
with one filling
connection*



*Type WAER 100ex/e
with weighing bridge*

*Small Selection of the Product Portfolio
of our Sister Company*



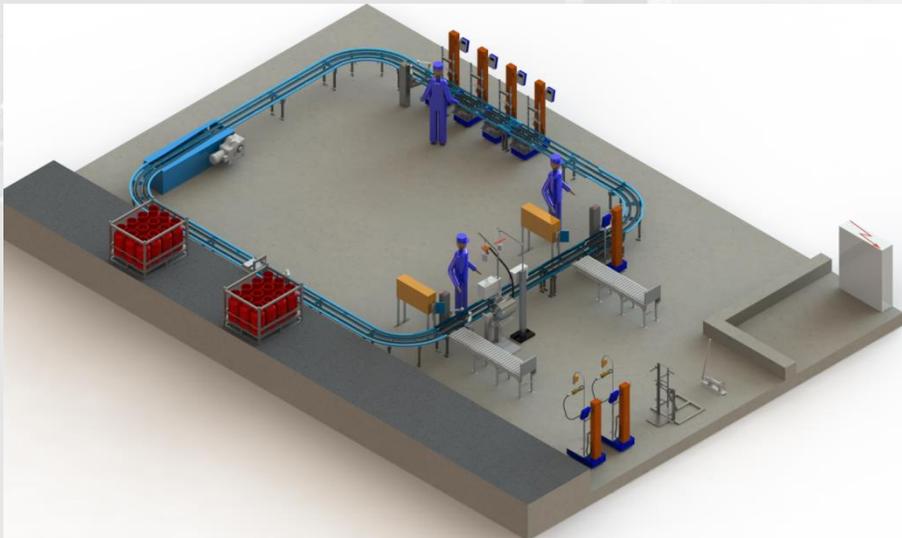
*Shrinking machine
Type MS & type AS*



*Leakage Testing Unit
Type MED1 & type AED*



*Small Selection of the Product Portfolio
of our Sister Company*



Inline Filling Station

*Small Selection of the Product Portfolio
of our Sister Company*



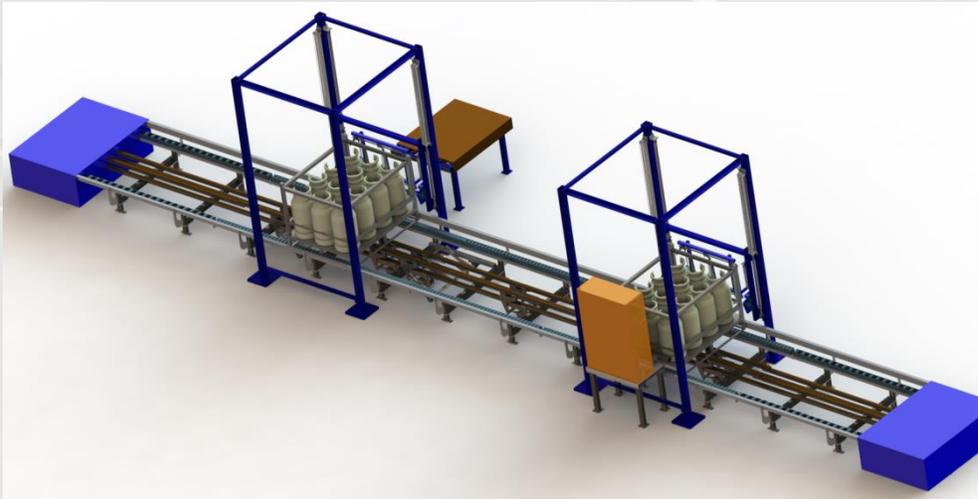
Carousel Filling Plant K7E with electronic filling scale type WAER

*Small Selection of the Product Portfolio
of our Sister Company*



Carousel Filling Plant K18E with electronic filling scale type WAER

*Small Selection of the Product Portfolio
of our Sister Company*



Palletizing Unit



*Small Selection of the Product Portfolio
of our Sister Company*



Palletizing Unit

www.fas.de

*Small Selection of the Product Portfolio
of our Sister Company* **UNI-FÖRDERTECHNIK**
GmbH

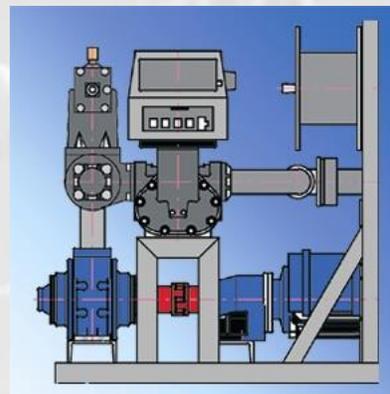


Hose reels for fire protection, automatic filter for colour, rotary vane pumps for CO2

*Small Selection of the Product Portfolio
of our Sister Company **UNI-FÖRDERTECHNIK***
GmbH



*Solutions for handling and
processing of liquid media*



Automatic filter systems, fittings, hose reels

*Small Selection of the Product Portfolio
of our Sister Company* **UNI-FÖRDERTECHNIK**
GmbH



Pumps, compressors, filters

CUSTOMER SERVICE

CUSTOMER
FEEDBACK
SUPPORT
INNOVATION
QUALITY
EXCELLENCE
FRIENDSHIP



CORNER STONES FOR A JOINT SUCCESS

- ▶ **3 COMPANIES** IN THE FAS-GROUP
- ▶ **18 SERVICE CARS**
- ▶ **200 EMPLOYEES** AT YOUR SERVICE
- ▶ **1000 m²** STORAGE AREA FOR YOUR PRODUCTS
- ▶ **30.000** STORED ITEMS FOR OPTIMAL DELIVERY CAPABILITY
- ▶ **97,4 %** CUSTOMER SATISFACTION (QM 2015)

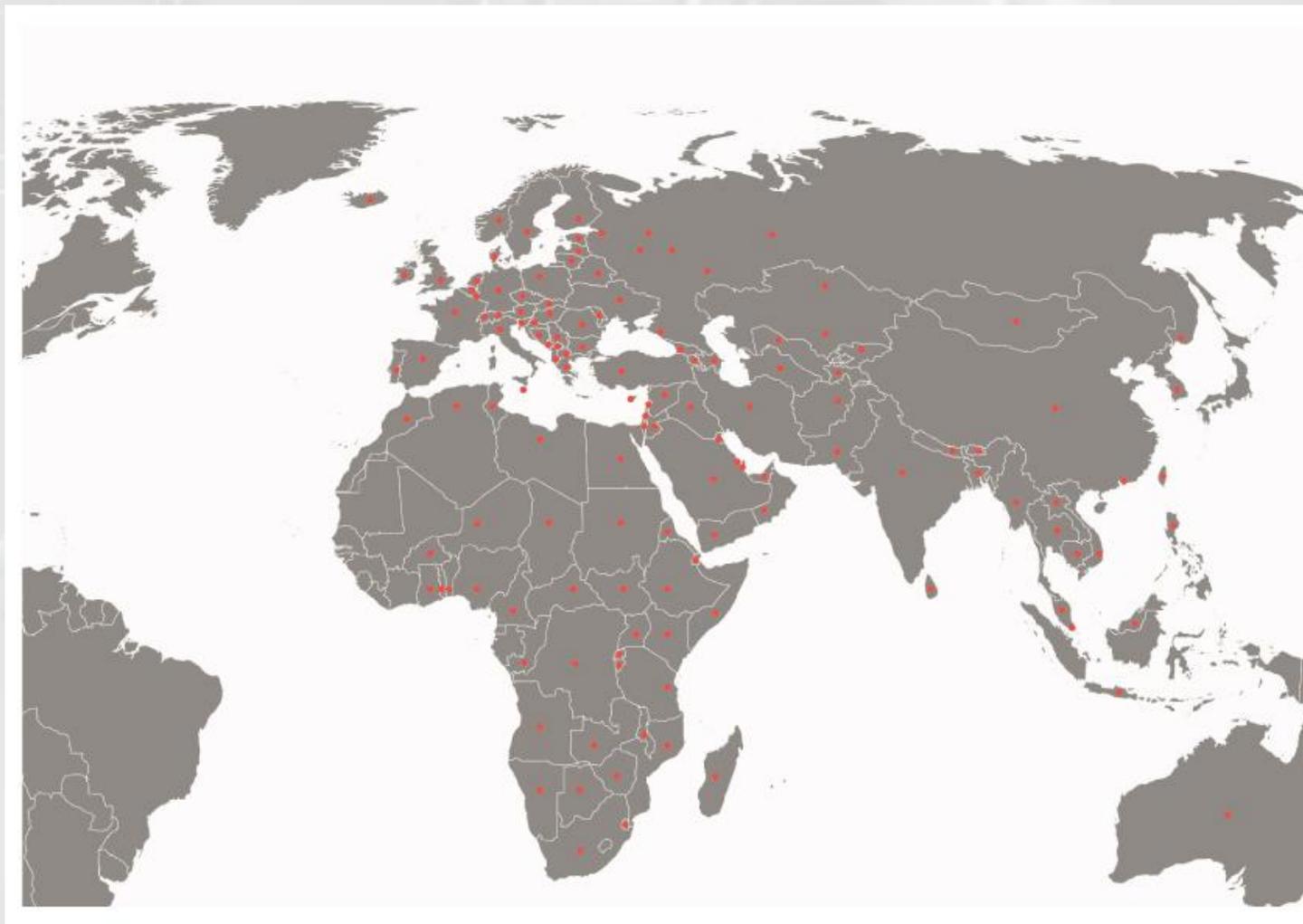


FAS WORLDWIDE



- ▶ FAS is represented in over 70 countries worldwide with own offices and partners.

Would you like to join our team?





**“Quality remains long
after the price has been forgotten.”**

(Gottlieb Daimler)