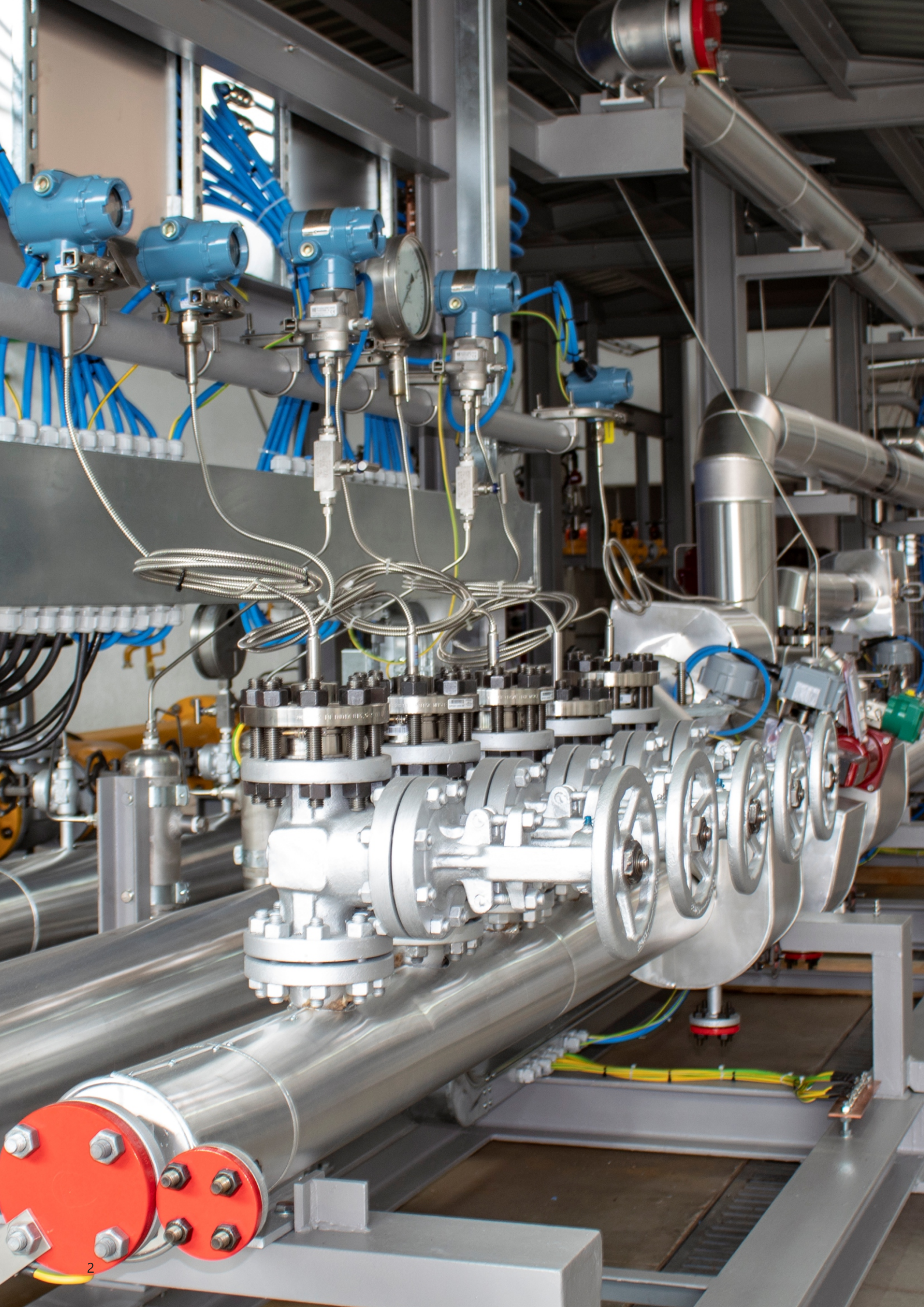


# *unis fagas*









**Our goal** is motivation  
our employees and  
systematically training  
for raising their  
awareness and  
importance desired  
relationship according  
to quality product and  
customer



The main activity of the company UNIS FAGAS Ltd. is designing and manufacturing of measuring and gas regulation equipment, as well as installment of equipment and offering support / service.

Our product range includes:

- All types of measuring, regulating and measuring regulating low, medium and high pressure stations
- Receiving stations, block stations, cleaning stations
- Compressor plants for natural gas - CNG
- High pressure control stations - PRS CNG
- Gas pressure regulators
- Gas filters (GF-P and R-Filters)
- Insulation flanges
- Heat exchangers
- Measuring kits for home use
- Electrical cabinets for supervision and control

**Our company provides** design, servicing, technical support and education.

**Our main achievement** is long-term cooperation with many customers from the public and private sectors, local gas distributors, construction companies and companies from abroad.

**From the very beginning, we achieve impressive business results,** positive financial effects of business and an outstanding solvency rate

**The technical sector of UNIS FAGAS Ltd. is a team of experts** in mechanical engineering and electrical engineering with a rich working experience and enviable references, specialized in areas such as technology welding, product design innovations, automation, electronics and other related fields.

**Our manufacturing sector** employs specialized installers of metal structures/measuring instruments, certified welders, mechanical and electrical technicians and installers of gas appliances.



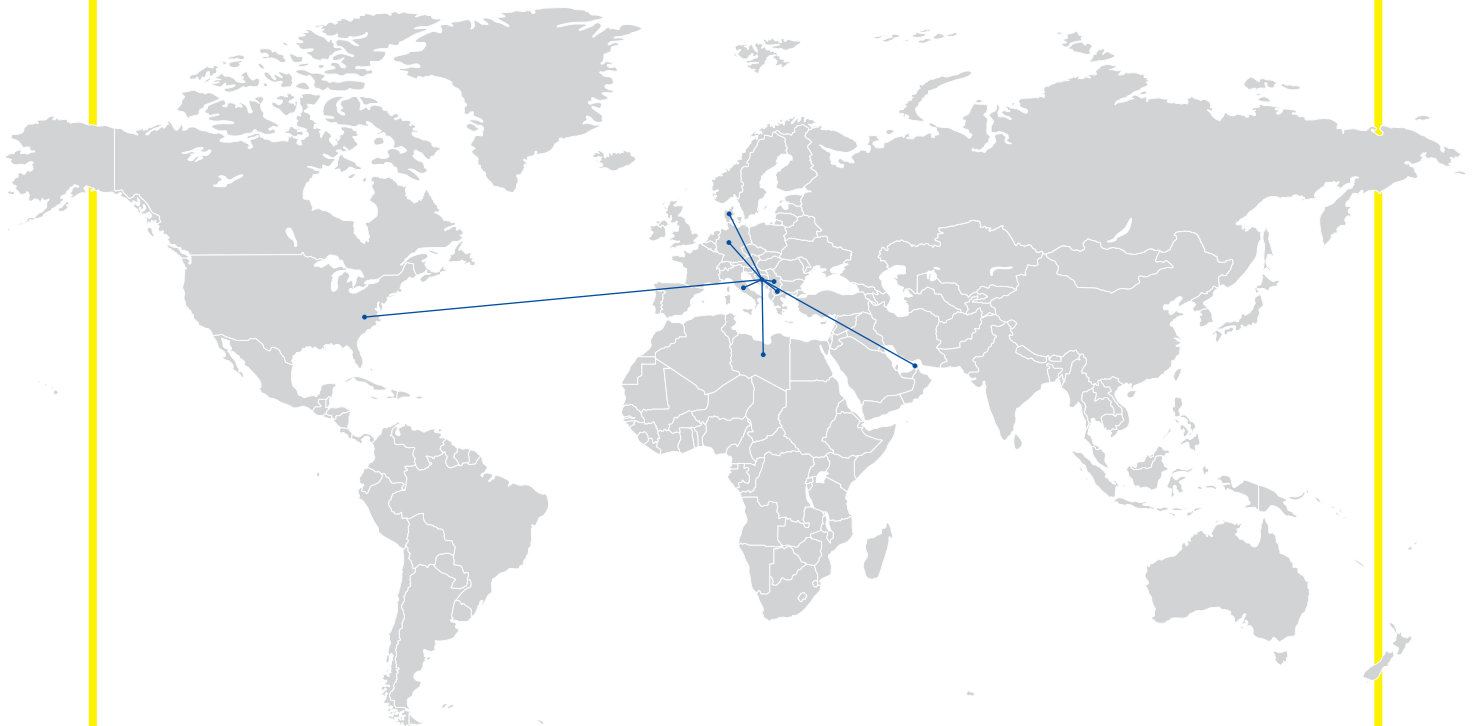
UNIS FAGAS Ltd. Sarajevo was founded in 1997. The main scope of the company is the design and production of equipment for measuring and regulating gas, as well as its installation according to customer requirements.

The factory covers an area of more than 5,000 m<sup>2</sup>. UNIS FAGAS d.o.o. employs 22 educated and trained professionals.

Besides being present on the markets of the former Yugoslavia, UNIS FAGAS Ltd. exports to the markets of North America, Scandinavia, Germany, as well as to the markets of the Middle East.

UNIS FAGAS Ltd. is an authorized distributor and servicer for the Honeywell HPS and PMC portfolio. We are proud owners of the "Honeywell Gold HPS Channel partner" certificate.

You can contact us in Bosnian, English, German and Turkish.



The company has ISO 9001, ISO 14001, ISO 45001 certificates.







“Our best reference is a large number of steady clients that see stable and reliable partner in us and our cooperation, on mutual satisfaction, has been going on for years.

UNIS FAGAS Ltd. has obtained certificates for the following standards ISO 9001, ISO 14001, ISO 45001, DIN EN ISO 3834- 3, AD2000- Merkblatt HP0, Abs. 3, DIN EN 13445-4. Our business policy is to strive to make all our products certified by the competent institutions according to BAS EN standards. In addition to product certification by domestic institutions, UNIS FAGAS Ltd. Certified their products by the German Association for air, gas and water DVGW, TÜV Thüringen e.V.

We offer a wide range of our products and the representative products from renowned production companies such as:

- HONEYWELL (ELSTER INSTROMET)
- NATURELGAZ
- CUBOGAS
- PREMATLAK
- G.BEE
- ELSEL GAS

UNIS FAGAS Ltd. in our work has realized a large number of projects in local, as well as in the foreign market.

In the period from 1999 to 2005, UNIS FAGAS Ltd. designed and did the gasification of the municipality of Visoko. UNIS FAGAS Ltd. was the general contractor including every project phase, from financing to project development documentation, field work and equipment delivery.

The project included:

- Gasification for 6,000 gas users;
- Primary gas network works according to the project gasification made and certified by an authorized person institutions;
- Works of the secondary gas network according to its own project.



## compressor plants

Compressed natural gas is one of the forms of natural gas storage. It is labeled as CNG or KPG. Natural gas is very difficult to convert and store in the form of a liquid, so its compression is a compromise between the requirement to reduce its specific volume (for the same amount to take up less space). Due to a number of technical advantages, compressed natural gas is by far the most commonly used in cars. The area of use of CNG mainly coincides with liquefied petroleum gas (LPG or LPG). It is used as an alternative fuel to start a car. This fuel can be

directly powered by an internal combustion engine, and can also be used to generate hydrogen and power fuel cells, which generate electricity to power electric motors. In order to be used on existing internal combustion engines, the vehicle must be appropriately reconstructed, i.e. adapted, i.e. a gas (CNG) system must be installed. In general, these modifications can be easily performed, and the obtained performance is completely comparable to "classic" vehicles.



Place of installation  
**KJKP „Sarajevogas,, d.o.o.**  
 Sarajevo (Bosnia and Herzegovina)  
 $Q = 2 \times 750 \text{ m}^3/\text{h}$   
 $p_{ul} = 4 - 8 \text{ bar}$







By applying the CPG system on vehicles, it is reduced exhaust emissions, so that without them additional purification reaches the EURO 5 standard. Due to the price of fuel, the exploitation of such vehicles is cheaper, although the price of the vehicle itself (with gas system) is slightly higher than the price of a petrol or diesel vehicle fuel. In recent years, the application of natural gas in cars is experiencing a real expansion. It is estimated that the number of vehicles in the world, which (partially

or exclusively) use natural gas goes over several million. It usually starts with city buses, but the scope increases and there are more and more drivers, especially taxis, or vehicles for internal transport. In parallel with the development of natural gas vehicles the needed infrastructure is developing too. Gas pipelines are being built (which also supply other consumers), the network of stations for filling vehicles with natural gas is expanding.

Place of installation

**NIS a.d.**

Novi Sad (Serbia)

Q = 350 m<sup>3</sup>/h



# pipeline systems



Observing the gas supply system in the direction of gas flow, i.e. from the manufacturer to the consumer, the pressure ranges in which its individual parts operate change.

Thus, the pressure supply area through the main gas pipelines is usually between 50 and 25 bar, and the pressure consumption range between 7 and 3 bar, or between 100 and 20 mbar.

At the transition from one area to another, the pressure is regulated in the control stations (RS). If the amount of gas is also measured to calculate how much is sold, then we are talking about metering and regulation stations (MRS) and transceiver stations.

Based on their purpose, we usually call them:

- Transceiver measuring and regulating stations
- Regional measuring and regulating stations
- Collective control stations for consumer groups

Control stations consist of:

- Pressure regulating devices
- Security devices
- Shut-off devices
- Fittings, pipes, seals and joints

And according to the needs:

- Preheater
- Bypass lines
- Condensate separator
- Dust separator
- Odorizer
- Control devices
- Gas flow measuring devices



Place of installation:

**Šepak for company Bijeljina-gas Ltd.  
(Bosnia and Herzegovina)**

MEASURING STATION

$Q = 100.000 \text{ m}^3/\text{h}$  |  $p = 50 \text{ bar}$



Place of installation:

**B. Palanka for the company Novi-Sad Gas Ltd. (Serbia)**

REGULATING STATIONS

$Q = 2.500 \text{ m}^3/\text{h}$  |  $p = 12 \text{ bar}$



Place of installation:

**Visoko for the company BH GAS Ltd.  
(Bosnia and Herzegovina)**

MAIN REGULATION - MEASURING STATION

$Q = 30.000 \text{ m}^3/\text{h}$  |  $p = 50 \text{ bar}$





Place of installation:

**SBK for the company BH GAS Ltd.**

**(Bosnia and Herzegovina)**

MAIN REGULATION - MEASURING STATIONS

$Q = 6.500; 10.000; 20.000 \text{ m}^3/\text{h} \mid p = 19 - 50 \text{ bar}$



Place of installation:

**Egypt for Brembana & Rolle S.p.A. (ITA)**

GAS & OIL & STEAM

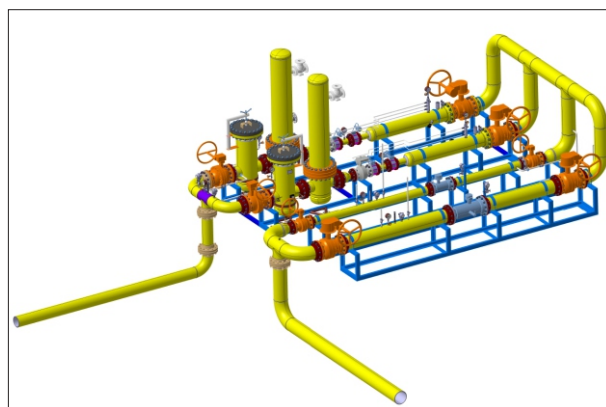
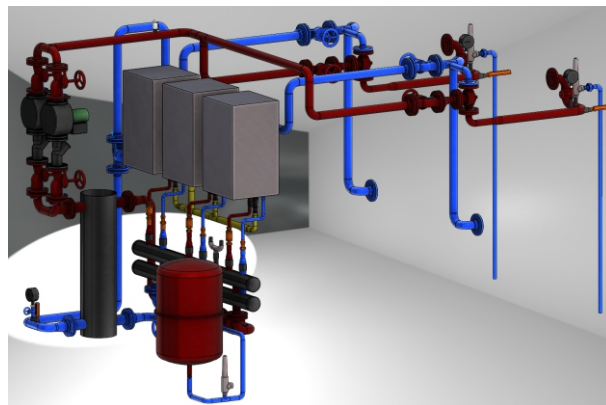




Place of installation:

**Bijeljina for the company Bijeljina-gas Ltd.  
(Bosnia and Herzegovina)**

Designing MAIN REGULATION - MEASUREMENT  
STATIONS and BOILER ROOM

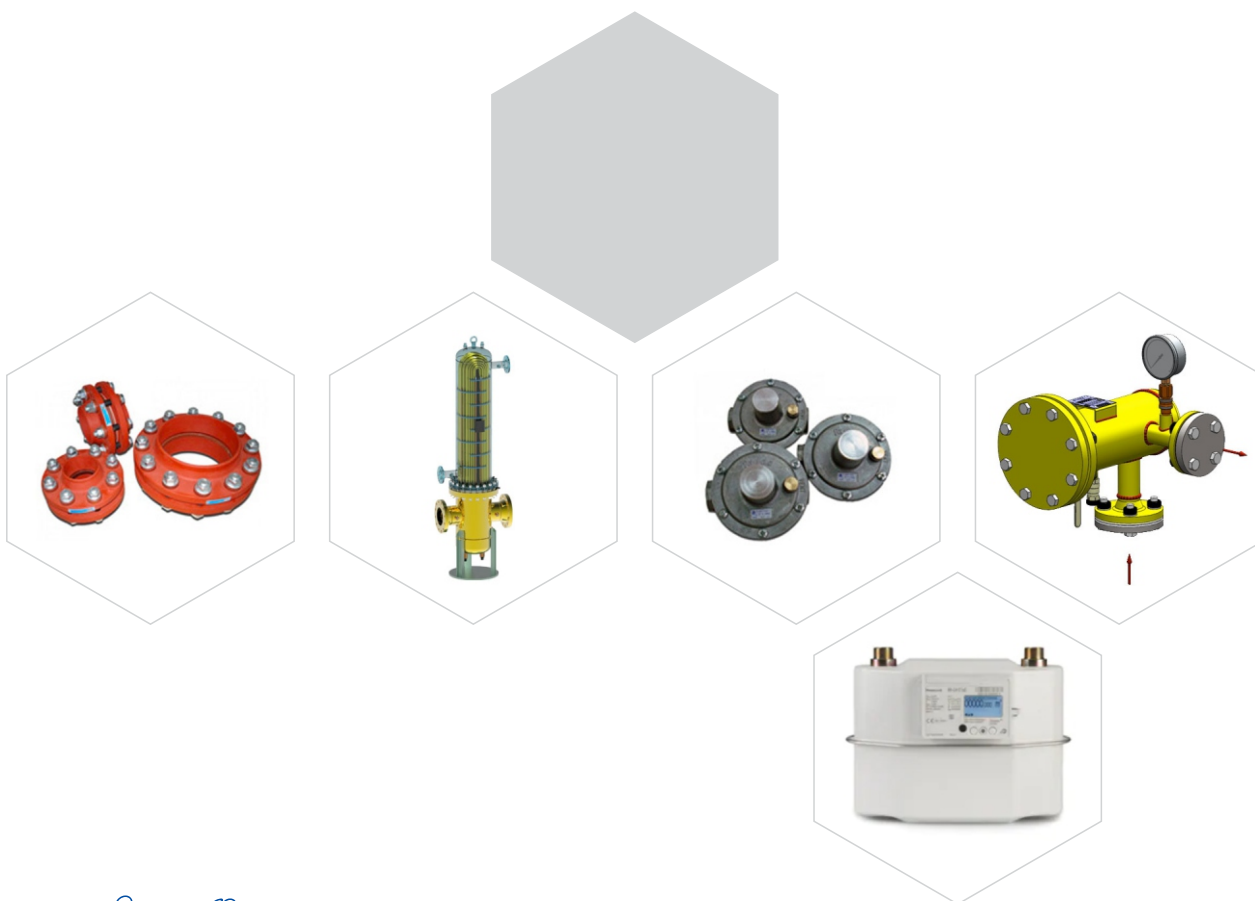


MAIN REGULATION - MEASURING STATION

$Q = 40.000 \text{ m}^3/\text{h} \mid p = 50 \text{ bar}$

Control cabinet - FLOW COMPUTER for MAIN  
REGULATORY - MEASURING STATION





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