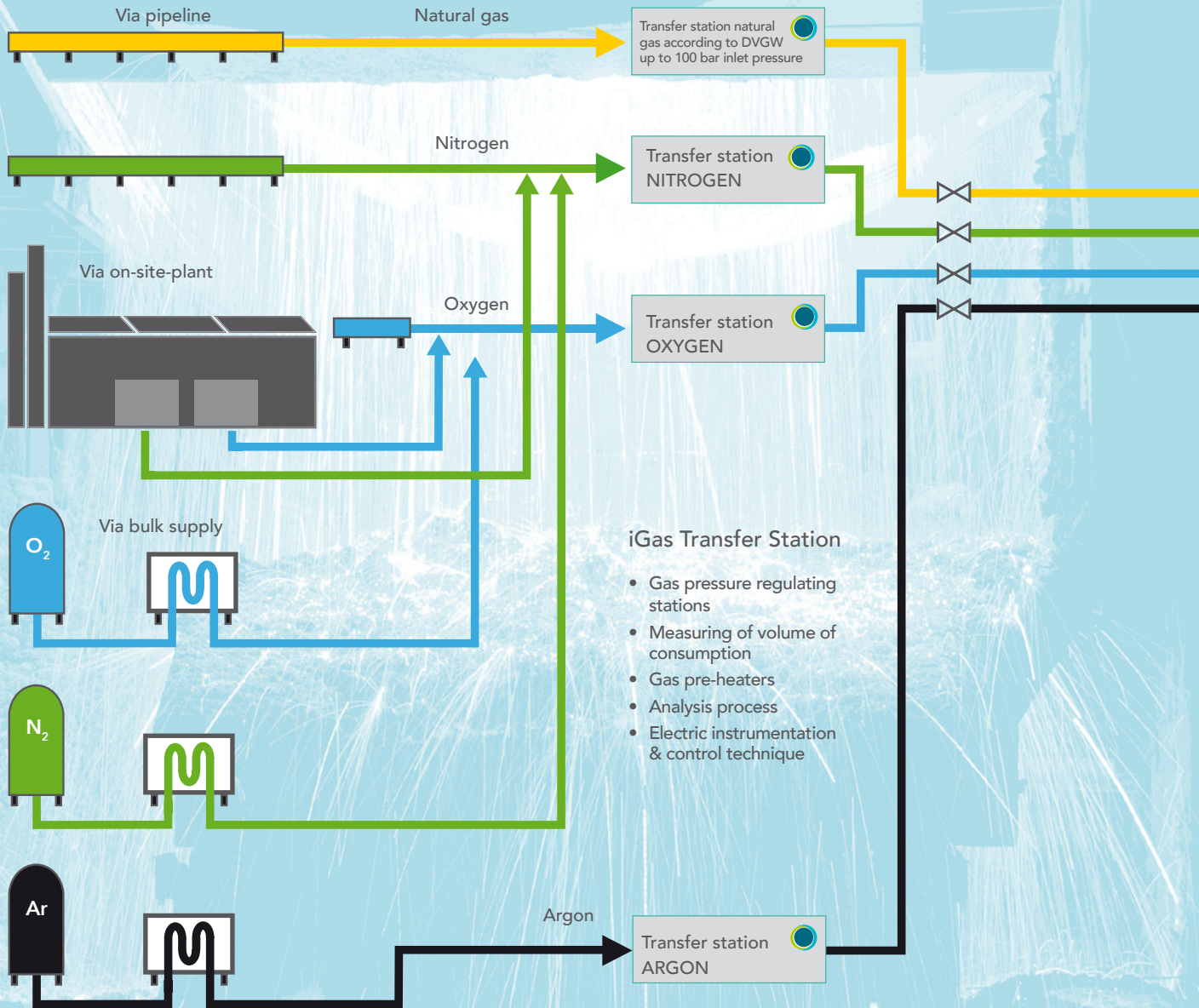


GAS SUPPLY SYSTEMS

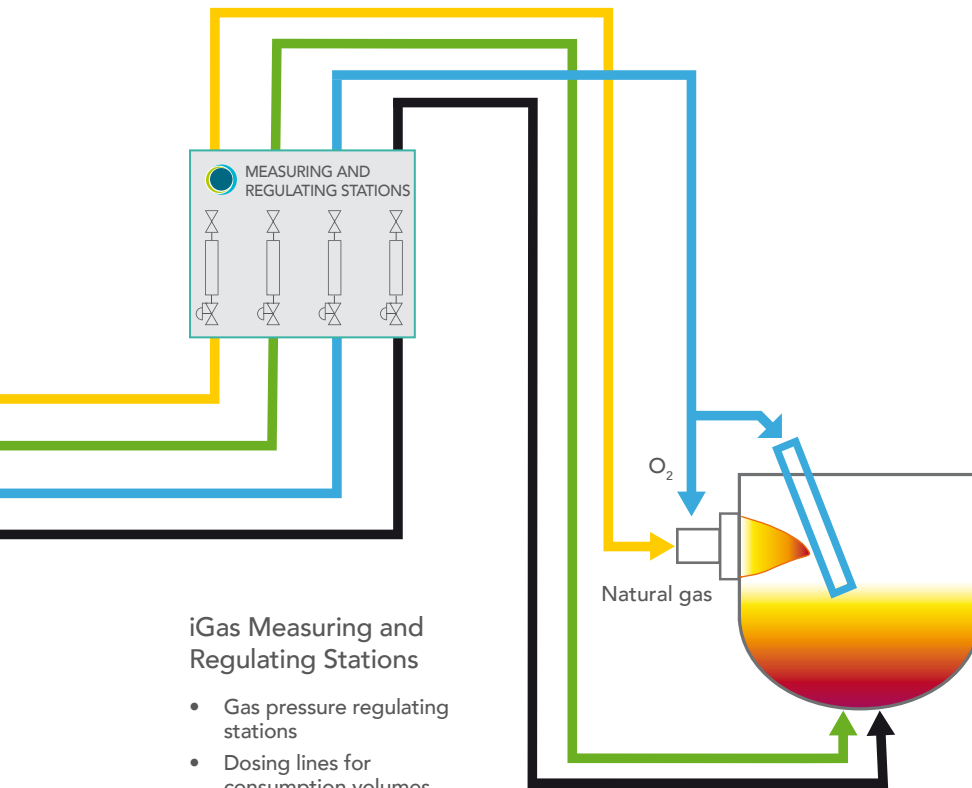
for the metal processing industry





iGas Transfer Station

- Gas pressure regulating stations
- Measuring of volume of consumption
- Gas pre-heaters
- Analysis process
- Electric instrumentation & control technique



iGas Measuring and Regulating Stations

- Gas pressure regulating stations
- Dosing lines for consumption volumes
- Gas mixing plants
- Analysis process
- Electric instrumentation & control technique

NATURAL GAS

NITROGEN

OXYGEN

ARGON

► MELTING | PURGING | INERTING

Whether from the pipeline, from an on-site plant or from cylinders or tank supply: when metal is produced the most important factors for an efficient fabrication, optimal material property and a gentle

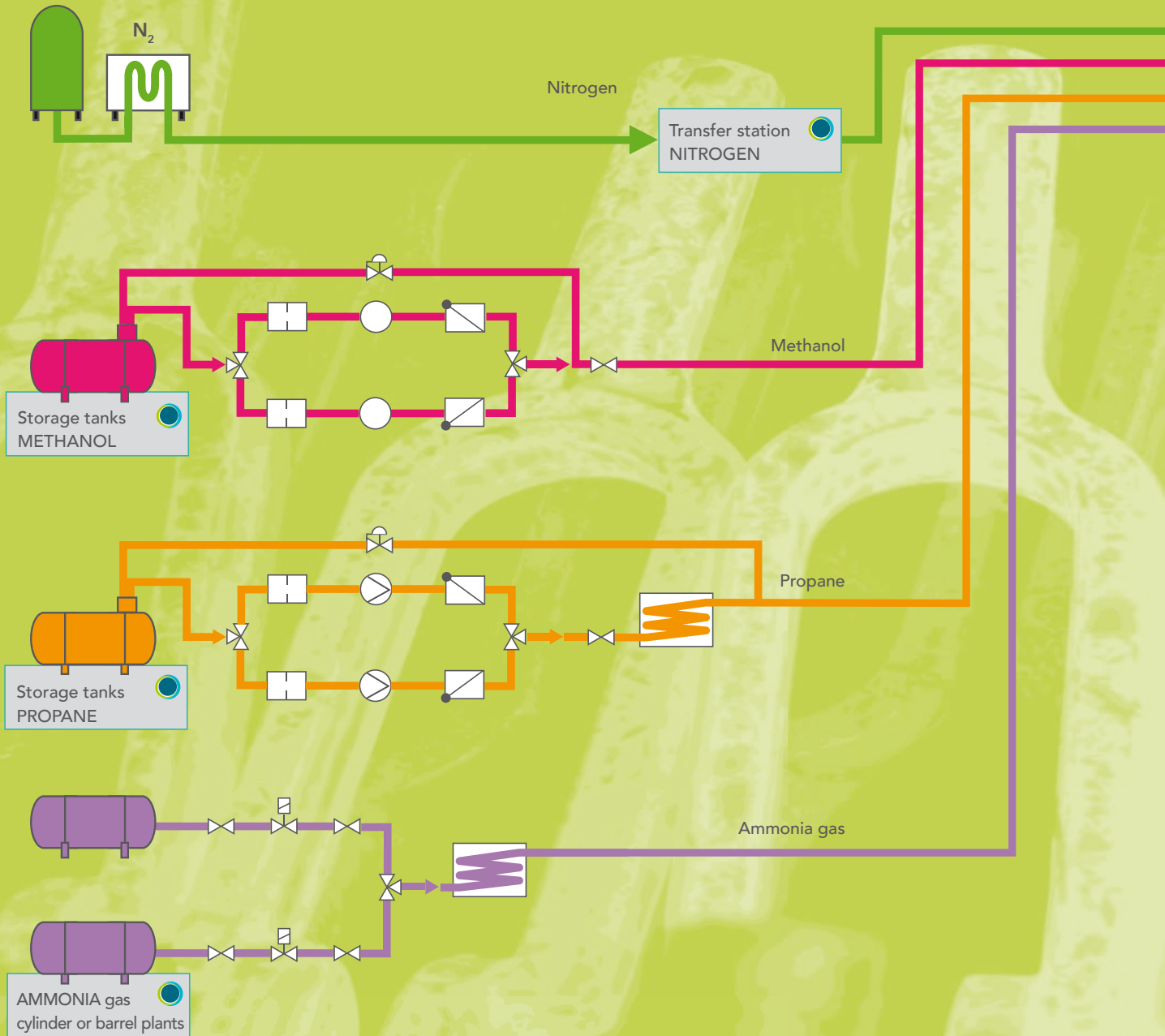
handling with resources are the correct quantity and accurate mixing and dosing of natural gas and technical gas.

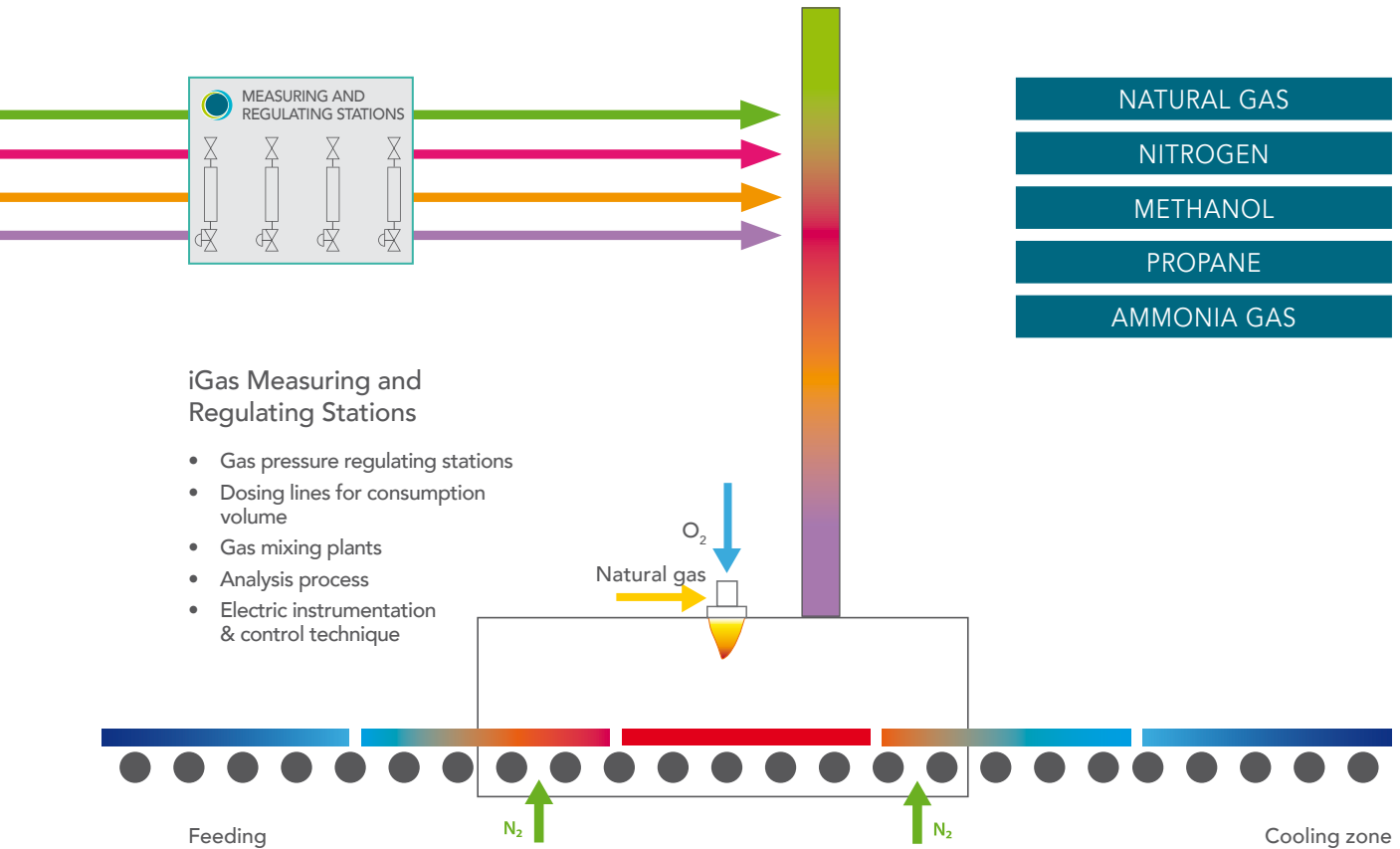
iGas offers the complete spectrum of process technology re-

garding gas from the source to the furnace – everything under one roof:

- -1 bis 1000 bar
- 0.1 bis 10000 Sm³/h
- -200 bis 400 °C

4





► HEAT TREATMENT

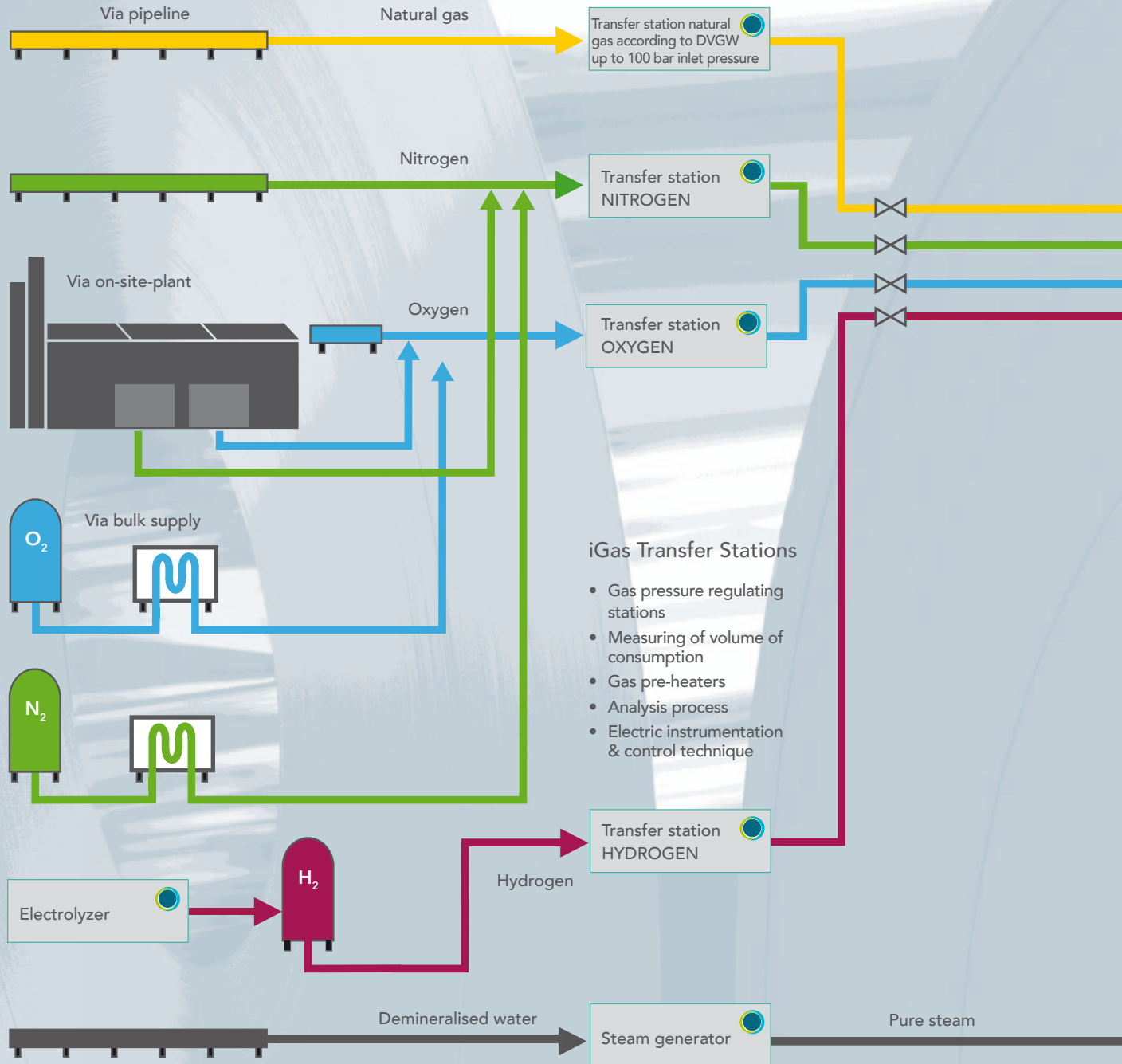
For the heat treatment, for instance in annealing plants, iGas provides the facilities for the gas supply for heating as well as the equipment for the production of protective and reaction gas –

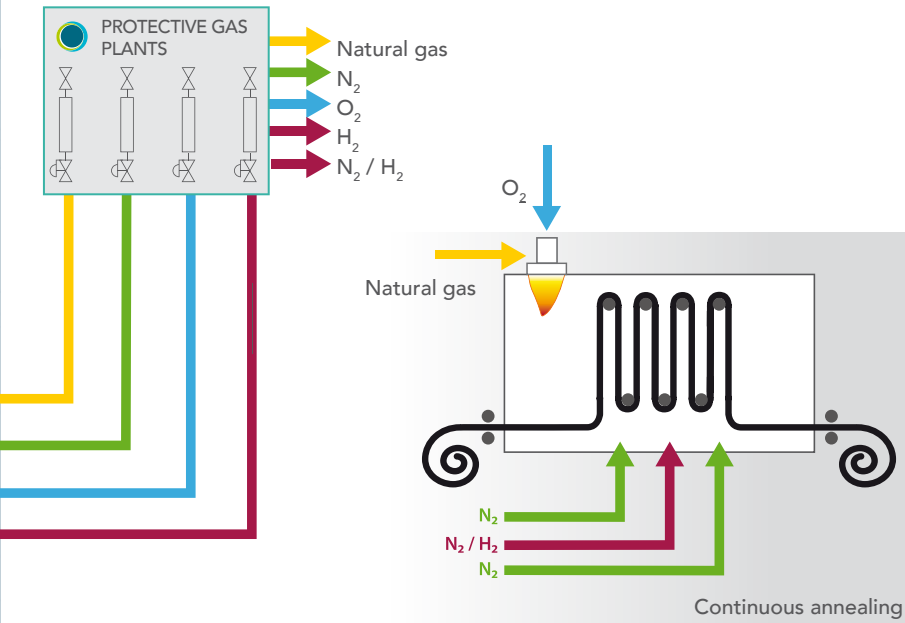
flexibly adapted to different construction materials, products and methods.

iGas produces a furnace atmosphere which is required at any time: in due proportion and need-

ed quantity.

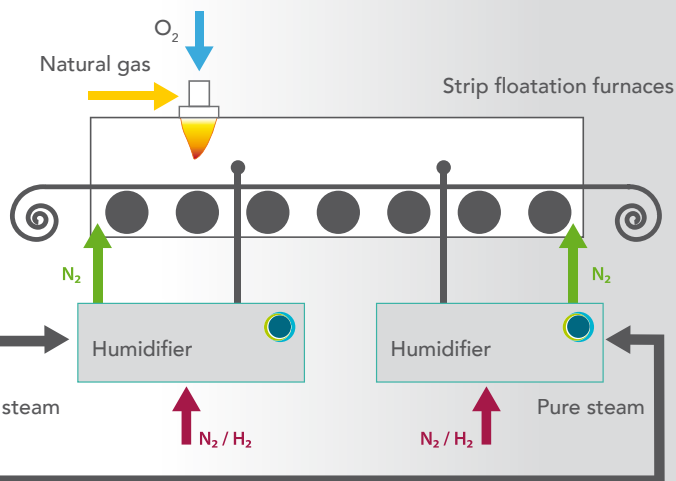
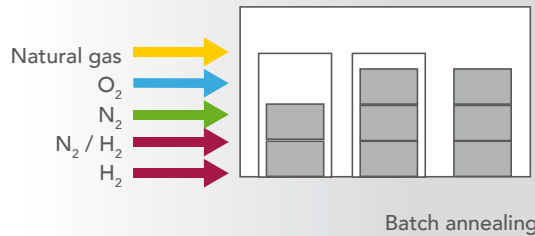
iGas supplies the accurate analysis devices to enable a permanent monitoring of the furnace atmosphere.





iGas Protective Gas Plants

- Gas pressure regulating stations
- Measuring of volume of consumption
- Gas mixing plants
- Analysis process
- Electric instrumentation & control technique



▶ ANNEALING

7

During the heat treatment of strip – for example in case of continuous or batch annealing – when protective gas is produced, not only the gas mixture must be exactly the same, but also the distribution into the individual zones of the furnace. Fluctuating mixture concentrations, pressure or volume flows influence the surface quality and decide on rejects and rework.

iGas guarantees that the gases will be available dependable: reproducible and free from unwanted elements. Especially for the production of electric sheets iGas supplies plants with additional steam generation and humidifier to control the humidity in the protective gas.

NATURAL GAS

NITROGEN

HYDROGEN

STEAM



iGas energy develops and produces plants around the topic "gases in industry". The profound experience of supplying gas for the thermoprocessing is based here. The company also uses this know-how in plants for production of hydrogen from renewable energies and the efficient recovery of valuable substances from organic waste products.

iGas is part of the SK Group. In collaboration with the group's sisters it exploits a wide range of synergies, for example in automation technology.

● Resource-saving circular economy

Complete recycling of valuable substances and energy from aqueous organic waste into material cycles.

● Hydrogen from renewables

Power-to-X plants for storage of renewables on the basis of energy conversion into hydrogen by high-pressure PEM-electrolysis.

● Innovative gas technology

Plant technology for supplying industrial processes with gases.



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