

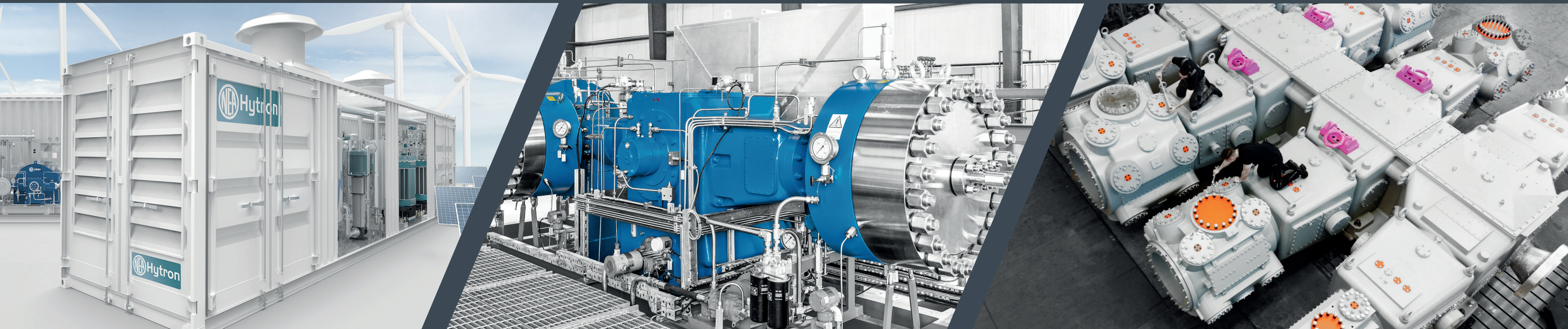


NEUMAN & ESSER

Get H₂ Ready!

ELECTROLYZERS and COMPRESSORS

Optimizing the Future H₂ ECONOMY



NEA|HYTRON ELECTROLYZERS:

The NEA|HYTRON HyPEM and alkaline electrolyzer systems with a wide range of capacities producing high quality H₂ up to 99.9999% with pressures more than 30 barg.

NEA|PISTON COMPRESSORS:

NEA piston compressors for H₂ pipelines and storage in caverns are available as 4-, 6-, and 8-crank designs with pressures exceeding 200 bar and 25,000 kW shaft power.

Energy transition with compressors

For 80+ years NEUMAN & ESSER have been serving processes in refineries, the petrochemical and chemical industries according to API 618. This is why NEA has a profound know-how in the compression of all process gases, especially of hydrogen and hydrogen mix gases. NEA GROUP has broadened its portfolio of applications by supporting the transformation from the fossil fuel based oil & gas sector to an H₂ Economy with green hydrogen from renewable energy. This is where the proven compressor technologies from NEA and HOFER come into play. The conversion of the energy system with Power to Gas needs energy-efficient piston and diaphragm compressors. They are the perfect match to ensure both the flexibility of demand and energy security with green gases.

NEA|HOFER MKZ COMPRESSORS:

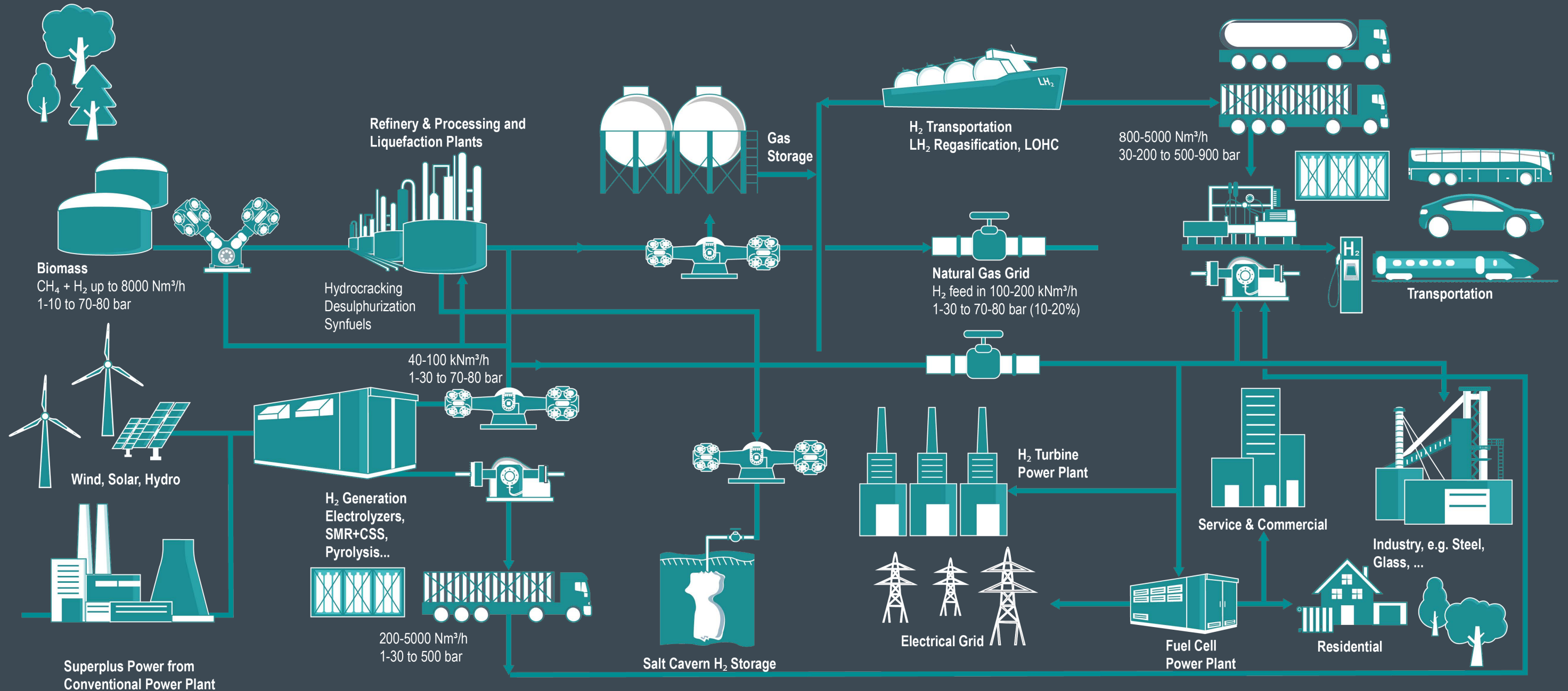
Oil- and abrasion-free compression with MKZ diaphragm compressors from HOFER serve all power-to-X applications with pressures even beyond 1000 bar, suitable for H₂ bottle & trailer fillers, car, truck, bus and rail fuel stations.

NEA|HOFER TKH COMPRESSORS:

Hydraulically driven TKH piston compressors from HOFER for 100% non-lube fueling of 700 bar hydrogen vehicle tanks.

NEUMAN & ESSER: Agile. Solution. Experts.
neuman-esser.com

The NEUMAN & ESSER Portfolio for the H₂ Value Chain



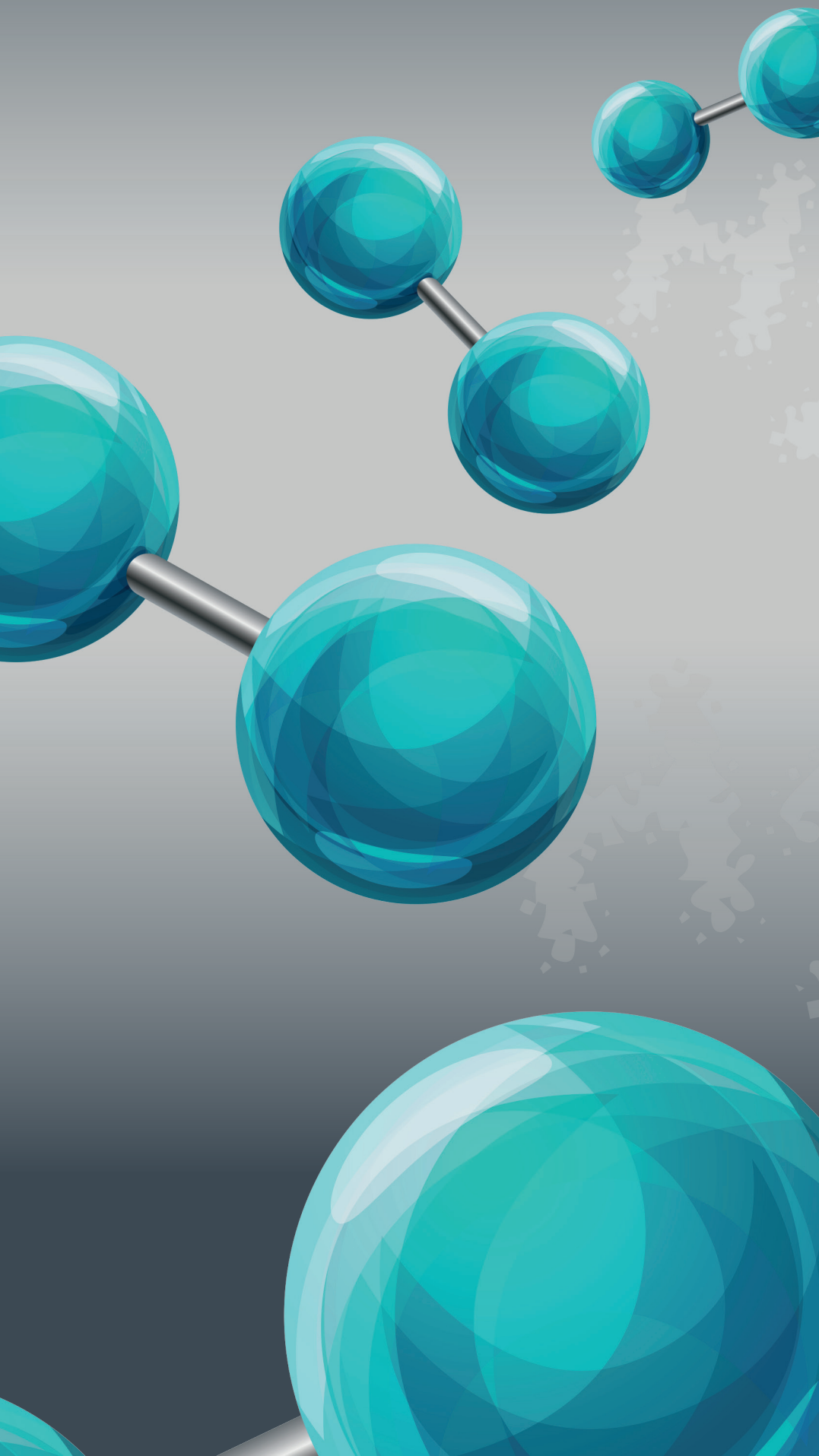
Primary Energy

Conversion & Processing

Storage

Transport & Distribution

Final Energy Demand



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