



We are the go-to people for your hydrogen connecting needs

When designing the equipment to transport highly-flammable hydrogen in and out of storage tanks, it is imperative you get it right first time. That's why you call BOA. We are experts in inventing crucial connecting components to route explosive gases in critical environments.

With over 150 years of experience in designing and manufacturing metal hoses, we have been working on hydrogen projects with worldwide clients for the last 40 years. We understand what it takes to design future-proof and fail-safe transfer lines for hydrogen compression modules or cryogenic bellows sealed valves for storage tanks. Whether as a gas under high pressure in a tank 350bar for commercial vehicles/700bar for cars or as a liquid at -253°C.



Key benefits of BOA products:

- One-piece smart tube with thin-wall technology
- Non-permeable & non-corrosive
- Lightweight & fireproof design
- Smooth & corrugated tube bends
- Flexible & functional corrugations
- Withstands extreme temperatures
- Customized interface & clamp concepts



We custom-make flexible hoses, bellows and expansion joints that are 100% helium leak tested to absorb vibrations and compensate for thermal expansions resulting from pressure and change in temperatures. Our expert engineers will help in the technical design and calculating phase to ensure your hydrogen generating equipment will work now and in the future. Whatever your challenge is, we will find the right solution for you.



Making hydrogen the energy of tomorrow

We will solve your hydrogen challenge

Hydrogen is the sustainable fuel of tomorrow. A zero-emission transportable energy source which will change the way we do things forever. The idea of new infrastructures being established worldwide and clean power and electricity reducing the carbon footprint – is what gets our pulses racing at BOA.

We are the leading global provider of connecting parts for fluid and gas transportation. We design, engineer and manufacture bellows, expansion joints and flexible hose assemblies for major clients in the industrial, energy, heavy vehicle, automotive and aerospace world. Each year we make more than 100 million convolutions with our BOA precision bellows and in the last ten years, we have produced enough BOA precision tubes to cover the earth circumference with 100% success rate every time.



Over the last 40 years we have been working on projects in all areas of the hydrogen chain: from generating, storage and transport to fueling, mobility and power supply. Whether you are engineering the electric car of tomorrow, developing a pioneering aircraft to fly on hydrogen, designing next-generation power supply units or working on future infrastructures to supply energy to buildings around the world, we are a partner you can rely on. We will help you co-design, engineer, manufacture, test and validate the right piping systems for your hydrogen machine or application.

Whatever your challenge, we will invent the ultimate future-ready connection. Giving you more time to do what you do best – ensuring that hydrogen will become the energy of tomorrow.

For more information email us on hydrogen@boagroup.com or visit <https://www.boagroup.com/hydrogen>. We are ready to solve your hydrogen challenge.



BOA HYDROGEN | Connecting need and innovation

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Inventors of the ultimate connection



BOA Group