



Aeroflex Hose & Engineering Ltd

Company Overview



Aeroflex is leading design and manufacturer of high pressure hose assemblies, cylinder connectors and manifolds for the global industrial gas and other markets.

30+ years experience of design, manufacture & distribution

Global supplier to all tier 1 gas producers

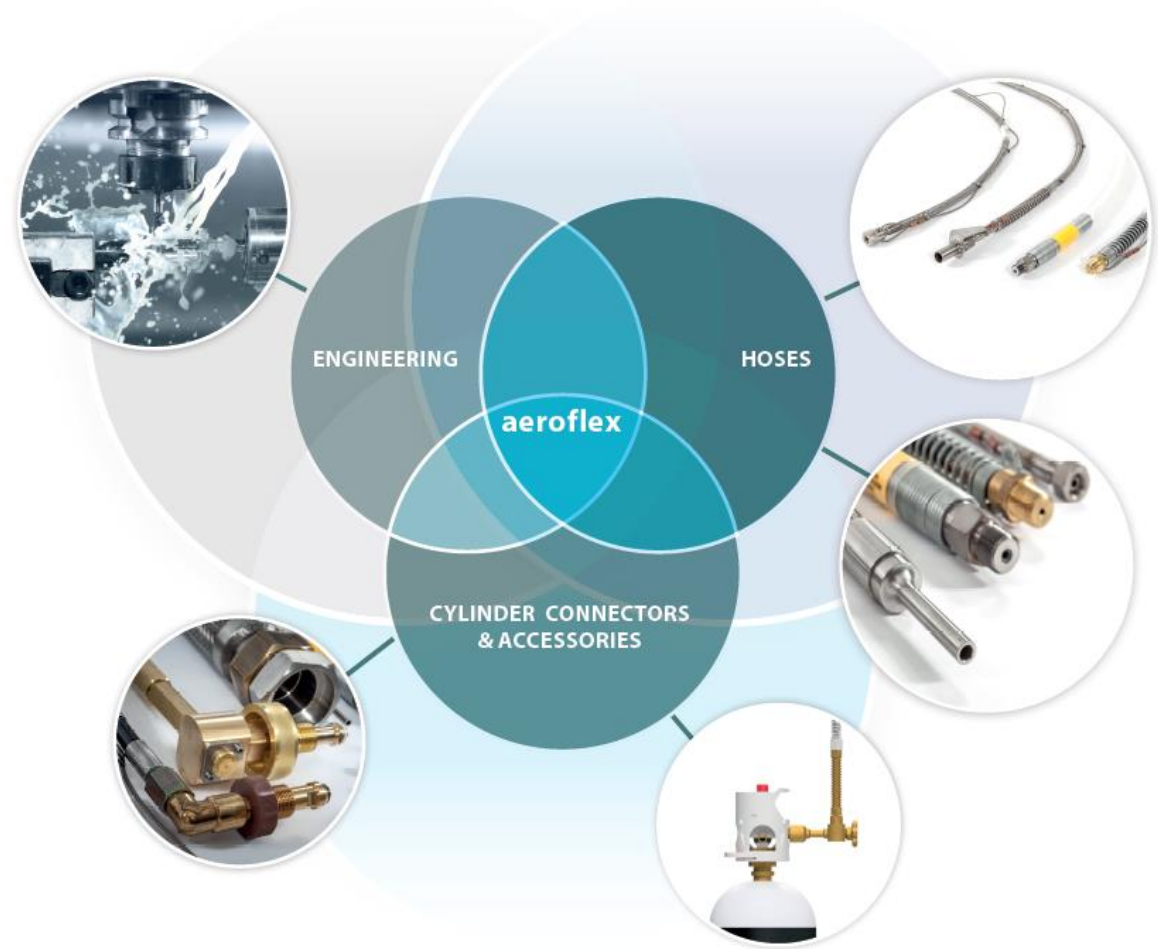


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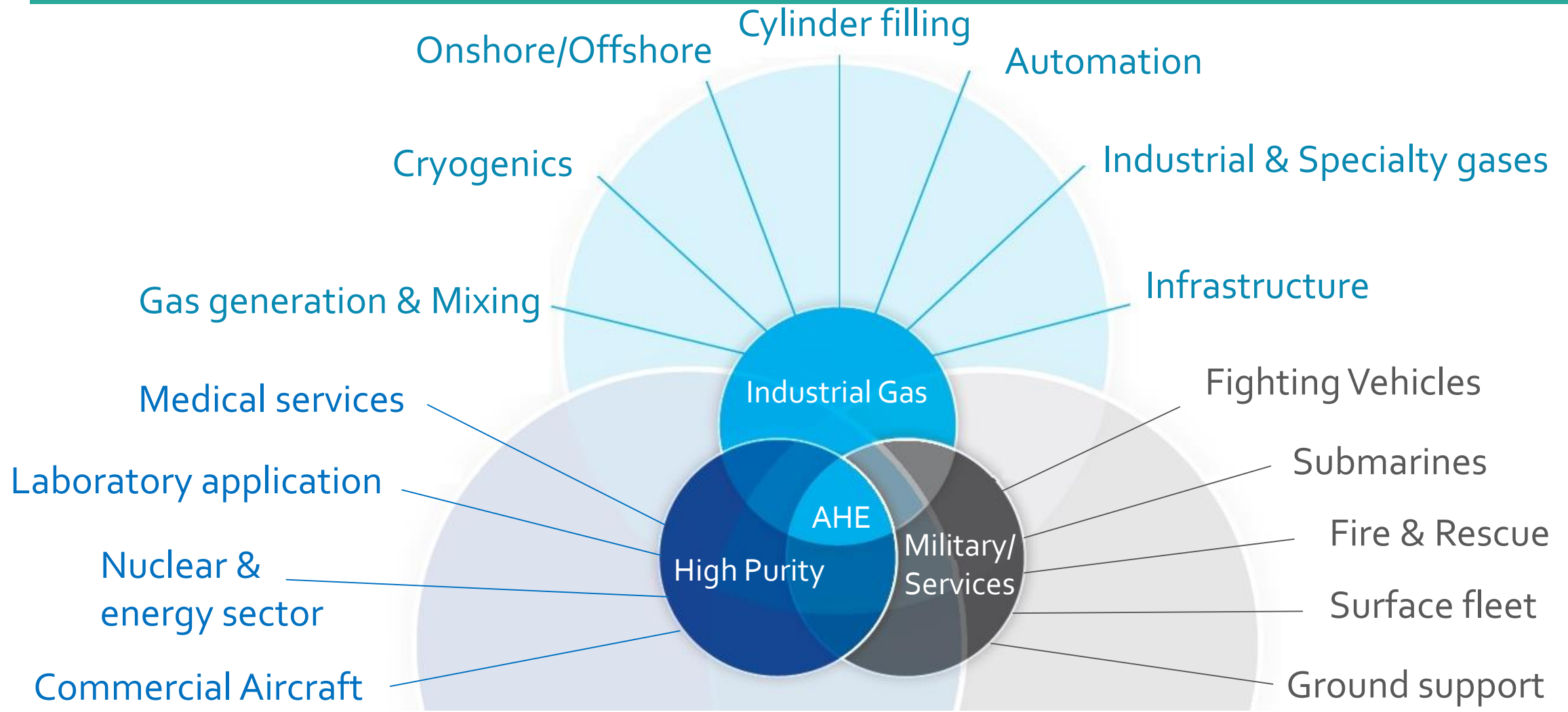
Company summary



- ❑ CAD Design / 3D Modelling & rapid prototyping
- ❑ Wide range of products: Hydraulic, Steam, Air, Gas, Cryogenics & Fuel Systems.
- ❑ In-House machining, fabricating & welding
- ❑ State of the art automated cleaning operation
- ❑ High pressure Hydraulic and pneumatic pressure testing facilities
- ❑ Research & Development of product performance Testing
- ❑ Turnkey/bespoke solutions



Industries

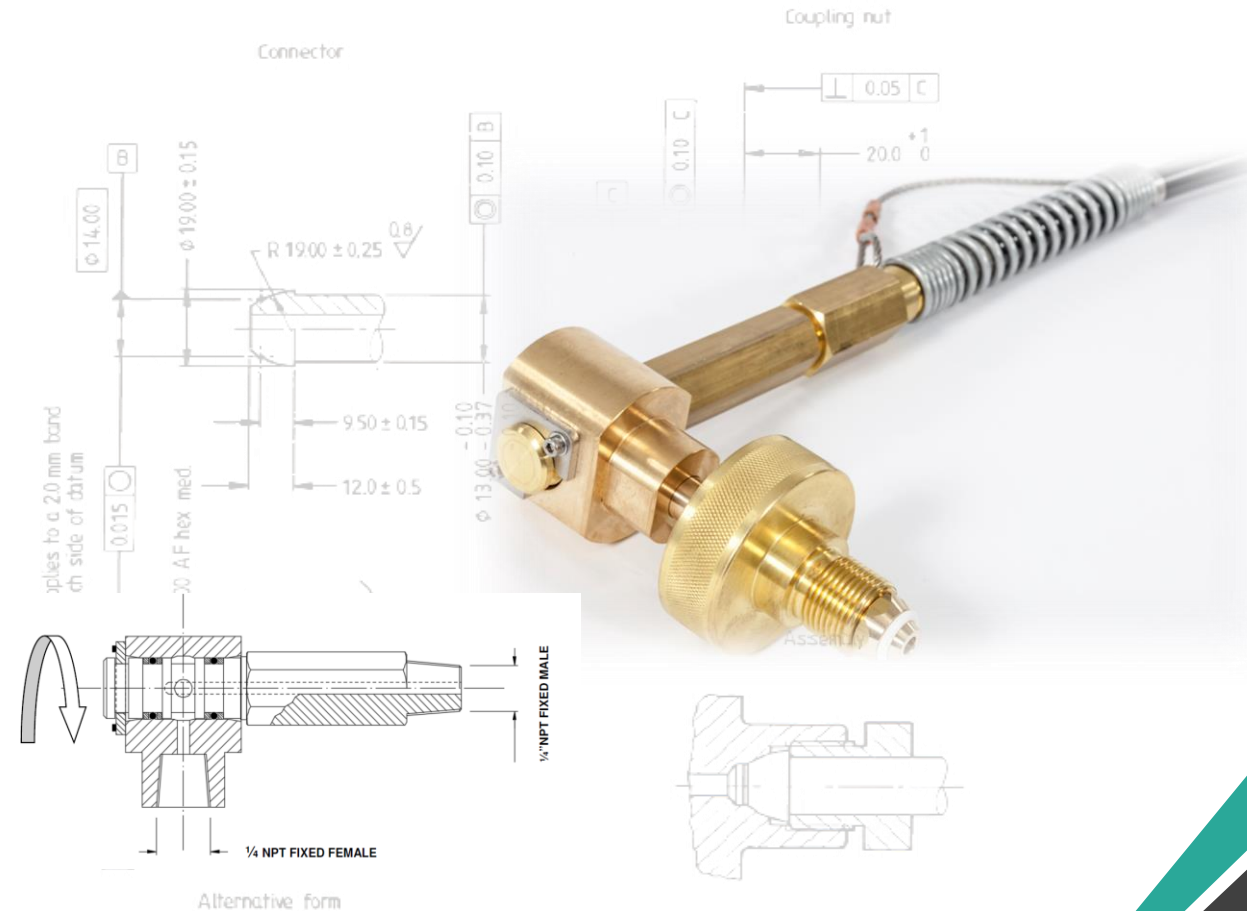
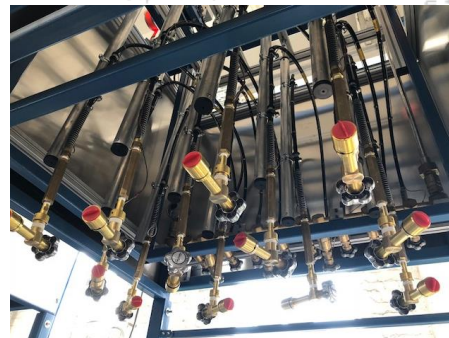


High pressure hoses

- ❑ Sizes
 - ❑ 6.35mm
 - ❑ 10.3mm
 - ❑ 12.7mm
 - ❑ Larger bore available
- ❑ Working Pressures 450 Bar+
- ❑ PTFE, PFA, Tefzel, Polymeric, Synthetic, Rubber & Metallic
- ❑ Industrial, medical & specialty gases, cryogenics, liquids and Steam.
- ❑ Adiabatic shock tested for o2 applications
- ❑ Integral & external heatsinks
- ❑ Safety features
- ❑ Tow-away & incorporated swivel features

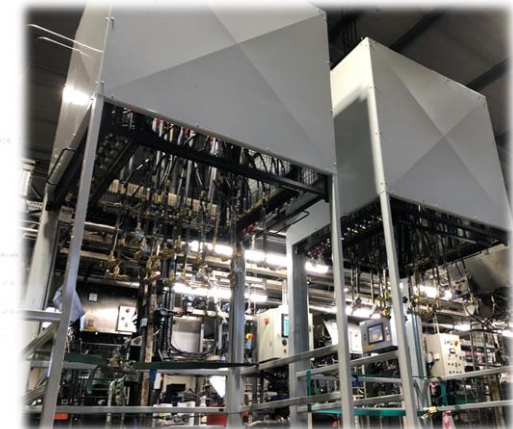
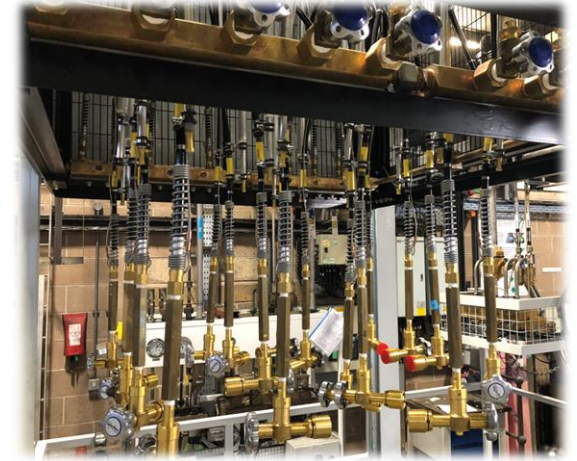
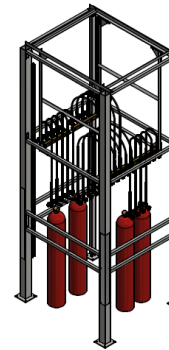
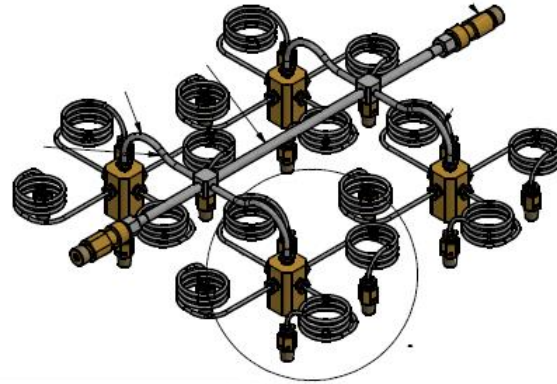


- Single and Dual axis connectors
- 300 & 420 Bar O₂ certified
- Tier 1 Supply contracts in place for 2019
- Maintenance programmes
- Stock holding



Manifolds

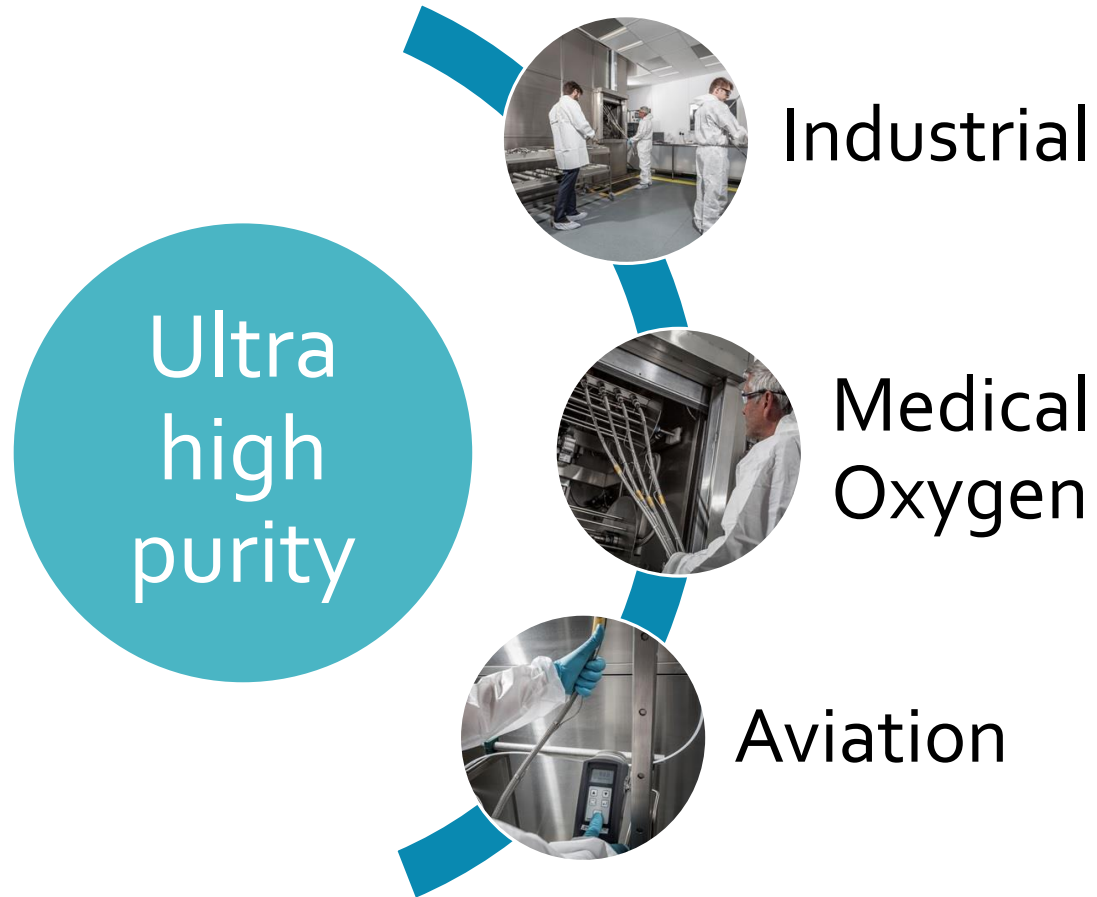
- ❑ Design and Manufacture of traditional and modular manifold systems
- ❑ 420 Bar manifolds for O₂ and Inert in production
- ❑ Contacts for 2019
- ❑ Modular Designs under trial
 - ❑ Easy to install and position
 - ❑ Reduced cost
 - ❑ Robust
 - ❑ Easily serviced (modular parts)
 - ❑ Increased service life



Cleaning Facilities



Aeroflex places a high emphasis on the quality and longevity of products.



In-process check of the cleanliness level achieved, validated through quality control checks including gravimetric, dryness and purity.

Aeroflex delivers purity to levels of 0-10 mg/m². (50mg/m² = Medical o₂)

Industrial Gas Projects House



IGPH Group - Industrial Gas Projects House



Continuous improvement

- ❑ Instrumental in ISO standard development and advising on sound engineering practices (e.g.: user guides)
- ❑ Rapid prototyping
- ❑ Pressure cycling (application specific)
- ❑ Bend & torsional testing
- ❑ Fatigue testing & destructive testing



Training and development



Brockenhurst
College

Apprenticeships



BU Bournemouth
University



earning a salary



receiving a formal qualification



gaining practical skills



learning job specific skills

aeroflex



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EMS 610060



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MINISTRY OF DEFENCE



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