

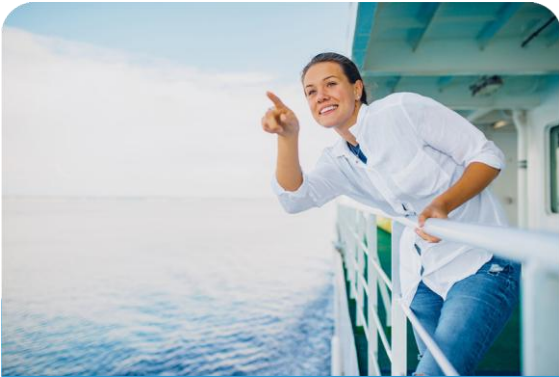


HALTON MARINE, ENERGY AND INFRASTRUCTURE

- A HALTON GROUP STRATEGIC BUSINESS AREA

Enabling Safety and Wellbeing
In Demanding Built Environments

HALTON MEI SEGMENTS WE OPERATE



MARINE

- Cruise ships
- Ferries
- Naval and Coast Guard vessels
- Special purpose vessels



ENERGY

- Nuclear
- Offshore oil & gas
- Offshore wind
- LNG



INFRASTRUCTURE

- Road tunnels
- Rail tunnels
- Utility tunnels



SERVICES

- Galleys
- Cabins
- Energy upgrades
- Spare parts

INDUSTRY CHALLENGES



Decarbonization &
energy efficiency
pressure

Stricter fire
safety &
compliance
requirements

Lifecycle costs
vs. CAPEX
dilemma

Reliability in
harsh /
mission-critical
environments

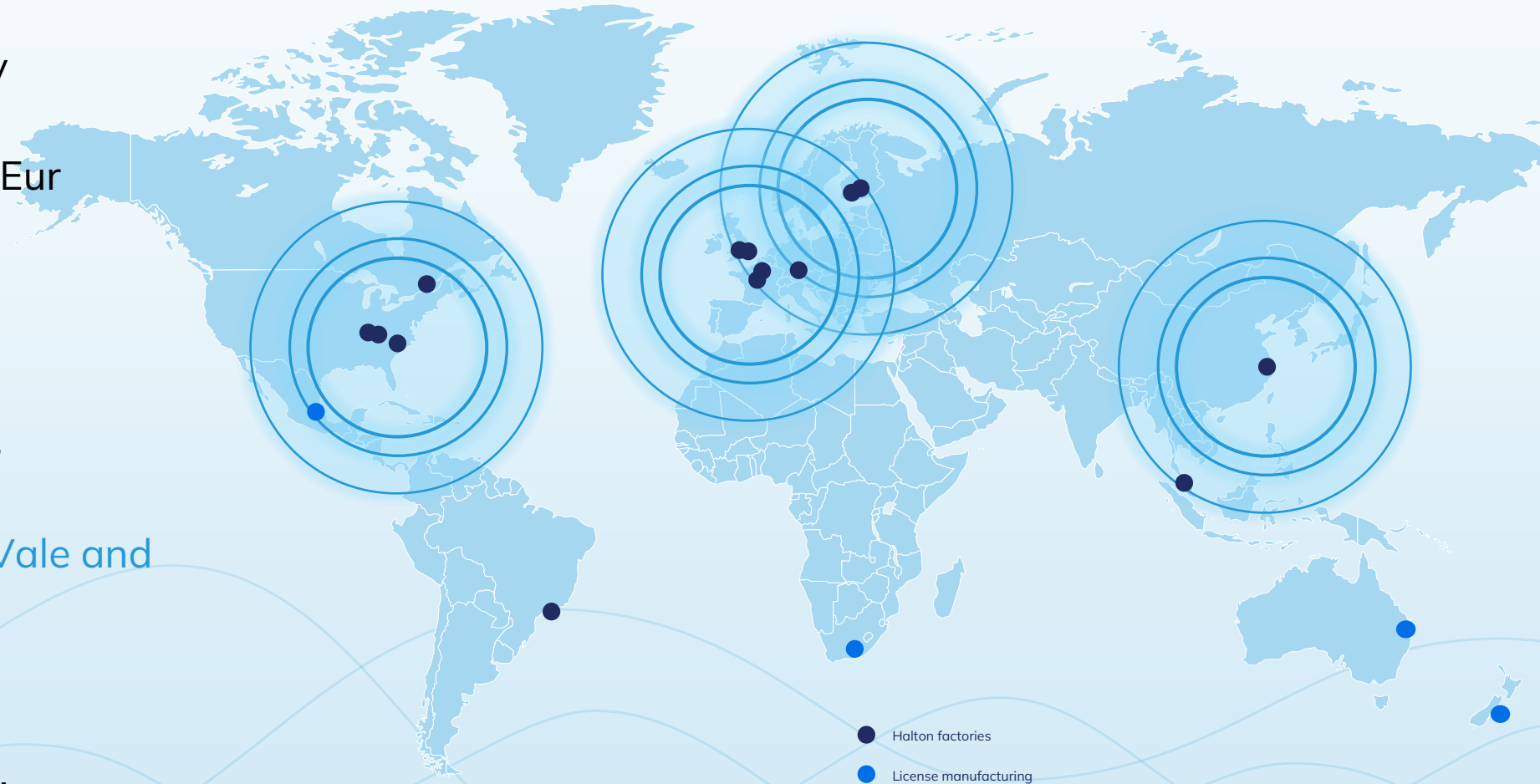
Skilled workforce
& maintenance
challenges

HOW HALTON MEI ADDRESSES THESE CHALLENGES

- **Energy-efficient performance** – Intelligent ventilation and airflow management that lower energy consumption while maintaining safety and indoor air quality.
- **Sustainability by design** – Durable solutions engineered for long life, upgradeability and reduced environmental impact, supported by lifecycle services and modernization options.
- **Safety-driven solutions** – Delivering certified products that protect people, assets and operations in demanding environments.
- **Lifecycle Costs vs. CAPEX Dilemma** – We focus on total lifecycle value, ensuring today's investment translates into long-term operational savings. We offer service concepts that extend product lifetime, secure performance and maximize long-term value.
- **Reliability in harsh / mission-critical environments** – We ensure reliability in harsh and mission-critical environments through engineered-for-purpose designs, certified performance validation, fail-safe principles, and lifecycle-backed service support – safeguarding both safety and operational continuity.
- **Skilled Workforce & Maintenance Challenges** – We design reliable, easy-to-maintain systems supported by global service expertise to reduce dependency on onboard technical resources.

WE ARE CLOSE TO OUR CUSTOMERS

- Family-owned company founded in 1969
- Revenue approx. 340 MEur in 2025
- Over 2000 people in over 35 countries
- Own production in 9 countries, 14 factories
- Halton MEI factories in Shanghai, Lahti, Ebbw Vale and Anderson
- Group HQ in Finland
- 11 R&D Centers, Halton Innovation Hubs, in 8 countries around the world



HALTON MEI FACTORIES – LAHTI, FINLAND



Product groups manufactured:

- Fire dampers and airflow management dampers
- Blast dampers
- Galley hoods and canopies
- Droplet separators and louvres

HALTON MEI FACTORIES – LAHTI, FINLAND

- Lahti designs, tailors, and manufactures HVAC products for demanding marine and industrial environments
- Factory established in 1989. Currently Halton has 7000m² of office and production space at the Lahti facility
- Certified ISO 9001, ISO 45001, ISO 14001 Management Systems
- Zero emission (CO₂) facility for own energy consumption. Geothermal heating system for offices and production spaces
- EV charging stations for staff and visitors
- Halton's Lahti factory currently employs appr. 170 people
- **SBU Director: Juhana Häkkänen**



HALTON MEI FACTORIES – EBBW VALE, WALES



Product groups manufactured:

- Fire dampers
- Isolation and retention dampers
- Volume control dampers
- Pressure-relief and non-return dampers
- Weather louvres and mist eliminators
- Blast dampers
- Tunnel dampers

HALTON MEI FACTORIES – EBBW VALE, WALES

- Certified ISO 9001 and ISO 45001 Management Systems
- The 52,000 sq/ft site built to the **BREEAM** Excellent standard
- 12 ground source heat pumps that support low-carbon heating and cooling
- Extensive rooftop solar panels to reduce reliance on grid electricity.
- Operational Net-Zero capability, designed to minimize long-term environmental impact.
- EV-ready infrastructure, including provisions for vehicle charging across the site
- Modern insulation and low-energy systems to improve efficiency and reduce heat loss
- Full recycling capability, supporting waste reduction and resource recovery
- **SBU Director: Lucy Newman**



HALTON MEI FACTORIES – ANDERSON, USA



Product groups manufactured:

- Fire Dampers
- Control Dampers
- Gas Retention Dampers
- Pressure Relief Dampers

HALTON MEI FACTORIES – ANDERSON, USA

- 39,347 sq/ft of leased space: 34,347 sq/ft of which is manufacturing space
- Certified ISO 9001, ISO 14001 & ISO 45001 Management Systems
- Climate controlled facilities with insulation and energy efficient systems to support employee well-being and environmental impacts
- GHG study to understand environmental footprint and define roadmap to operational net-zero capability
- Full recycling capability, supporting waste reduction and resource recovery
- **SBU Director: Sam Monn**



HALTON MEI FACTORIES – SHANGHAI, CHINA



Product groups manufactured:

- Fire dampers
- Cabin units
- Galley hoods
- Droplet separators

HALTON MEI FACTORIES – SHANGHAI, CHINA

- Total building 7500 m² - including 1800m² of office spaces
- Certified ISO 9001, 14001 and 45001 Management Systems
- Building shared between SBA Marine, Energy and Infrastructure, SBA Foodservice and SBA Health and Cleanroom
- Halton MEI Production surface represents 2000m² + 1 building floor for the office people
- 70% of electrical consumption of the building is coming from green sources (windmill farms)
- EV ready with charging stations
- **SBU Director: Pascal Martin**



OUR EXPERTISE



GALLEYS

- Galley ventilation
- M.A.R.V.E.L. demand-based ventilation
- Capture Jet technology
- Fire safety
- Services and energy upgrades



CABINS

- Cabin ventilation
- Halton CaBeam 2.0, next generation ventilation solution for cabins
- Demand-based ventilation and controls
- Energy upgrades



VENTILATION FIRE SAFETY

- Certified fire dampers specifically engineered for demanding environments such as ships, naval vessels, nuclear, offshore, onshore, tunnels
- ATEX/IECEx, shock- and vibration-tested, and seismic-qualified products available as an option

BLAST PROTECTION

- Blast dampers engineered to safeguard HVAC systems against destructive blast forces — protecting both people and assets.

AIRFLOW MANAGEMENT AND DISTRIBUTION

- Products for different types of environments providing safety, protection, efficiency, and indoor air comfort.

CONTRIBUTION TO SUSTAINABILITY

HIGHLIGHTS: Solutions for demanding environments

- Exhaust reduction with demand-based galley ventilation (Halton M.A.R.V.E.L.)
- Halton CaBeam cabin ventilation solution = quiet operation, low lifecycle cost
- Enabling energy savings in cabin ventilation with smart control system
- Energy upgrades for existing fleet to substantially improve energy efficiency in galleys and cabins

SERVICES ARE THE KEY TO SUSTAINABLE OPERATIONS

We are offering lifecycle services that can:

- Maintain equipment in high-performing condition
 - We make sure that the solution is working as designed
- Extend our product's lifecycle
 - Upgrading our products/solutions instead of the replacement
- Offering annual service contracts for galleys
 - Optimizing the performance resulting lower operational costs and emissions



WHY CHOOSE HALTON MEI?

- Deep application expertise
 - Proven safety and compliance
 - Clear sustainability impact
 - Global delivery with local service
 - Long-term partnership mindset
 - Tailored (bespoke) solutions
 - Co-development opportunities with customers
- **SBA Halton MEI Director: Shuresh Maran**



A large white cruise ship is docked at a pier, partially obscured by a large, ancient tree with thick, gnarled roots extending into the water. The scene is set against a backdrop of lush green foliage and a clear blue sky. The water is a deep blue, and the overall atmosphere is serene and natural.

**HALTON MEI
- YOUR PARTNER IN
BUILDING BETTER
BUILT
ENVIRONMENTS.
JOIN US!**