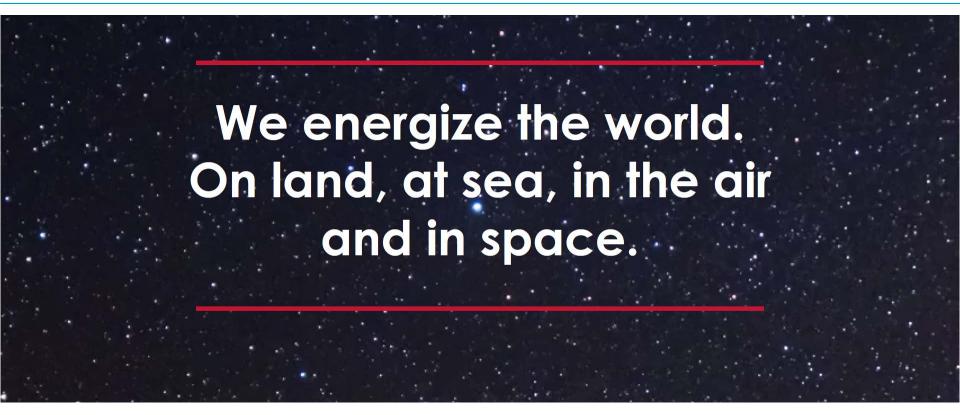


Saft's Common Purpose





Who is Saft today?

GROUP PROFILE



100 years of history



Leadership position on 75-80% of revenue base

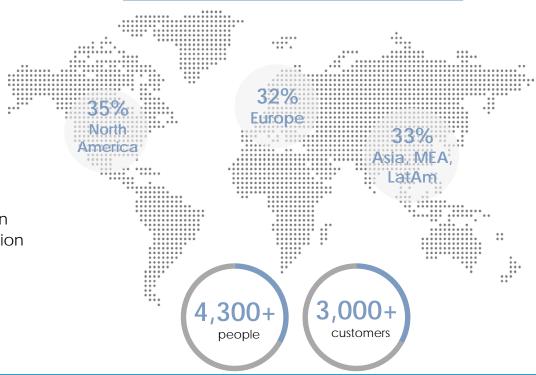


9.7% invested in R&D with 3 main technologies; primary lithium, lithium-ion & nickel-cadmium,



€744m revenue FY 2017

GLOBAL PRESENCE - SALES





Global presence



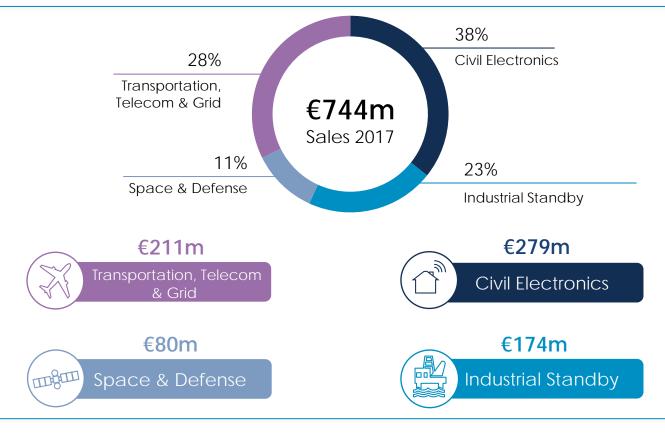


Where we fit in Total





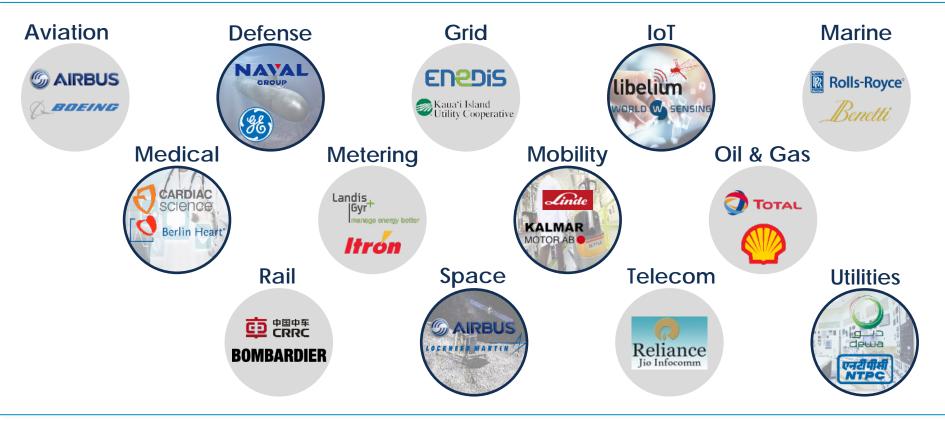
2017 sales by division





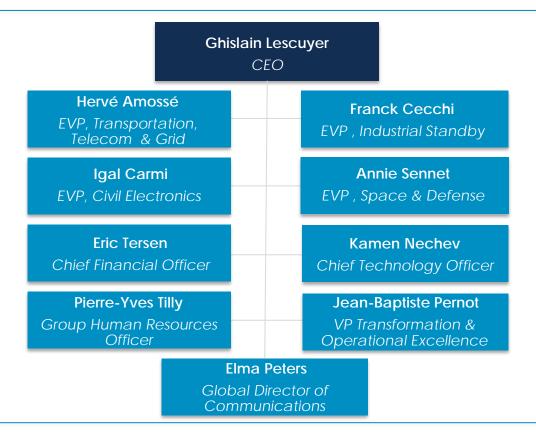


We serve multiple customer segments for specific applications





Saft Management Committee









Market overview: Civil Electronics



Main applications

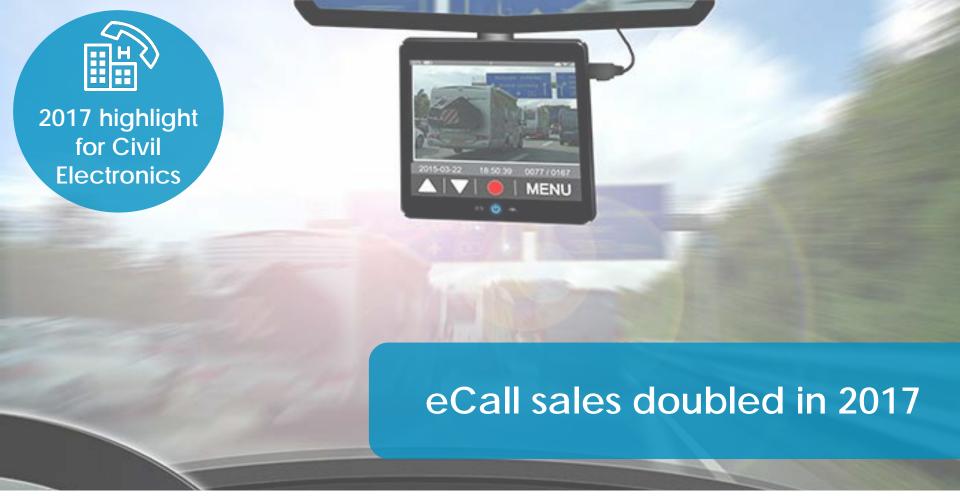
- Smart metering
- Electronic Toll Collection (ETC)
- E-call
- Asset tracking
- Internet of Things (IoT)
- Medical devices
- Portable military
- Oil drilling

- Primary lithium batteries
- Lithium-ion batteries

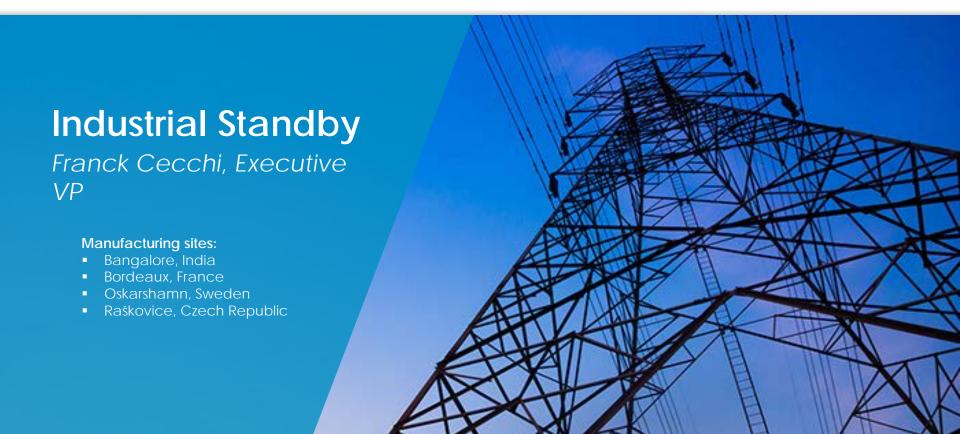






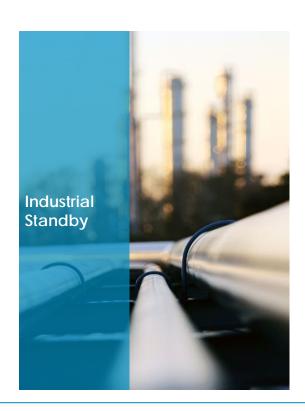








Market overview: Industrial Standby



Main applications

- Emergency back-up power, starting power and cycling applications in the oil and gas industry
- Power generation and distribution
- Railway signaling systems

- Nickel-based batteries
- Lithium-ion batteries

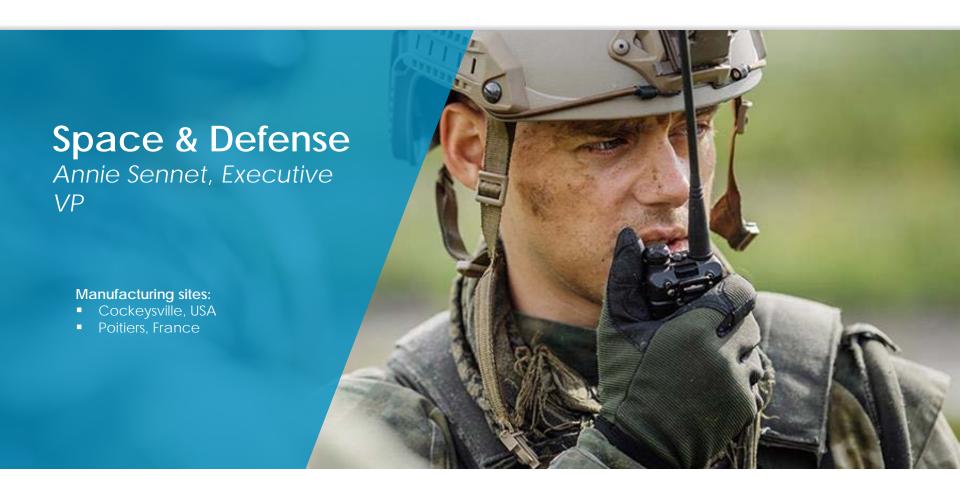














Market overview: Space & Defense







Main applications

- Communications, scientific and military satellites
- Satellite launchers
- Space vehicles
- Base camps
- Weapon systems & torpedoes
- Military aircraft
- Hybrid armored vehicles
- Work boats
- Ferries
- Cruise liners & luxury yachts
- Cargo & offshore vessels

- Lithium-ion batteries
- Silver-based batteries (for torpedoes and missiles)















Market overview: Transportation, Telecom & Grid









Main applications

- Storage solutions for installation & renewable generation plants, micro-& distribution grids, and commercial or industrial end user sites
- Backup power and emergency systems
- Engine and turbine starting
- Backup power for lighting, air-conditioning & onboard communications, & critical safety applications (emergency braking & door opening systems)
- Electrification of industrial vehicles
- Backup power for the telecommunications industry

- Nickel-based batteries
- Lithium-ion batteries

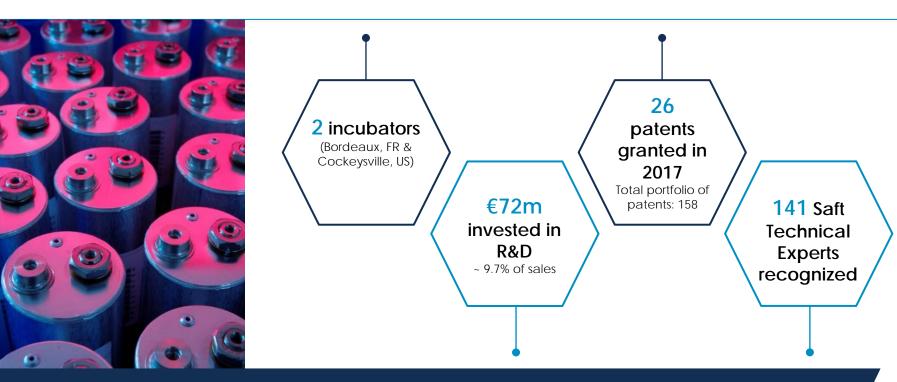








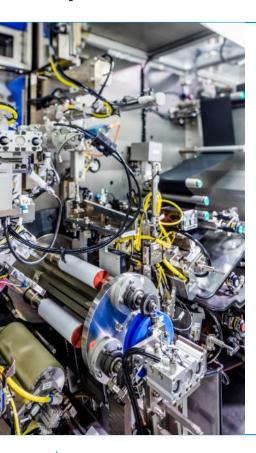
Research and Development excellence



Continuous innovation for superior products and technology



Operational excellence: Four pillars to build performance



Safety culture



- Global plan and commitment toward zero accidents
- Safety culture is the basis for our strong quality and efficiency

Industry 4.0



- In 2016, launch of a very ambitious Digital Transformation Program covering all activities
- Enhanced automation, data management, collaborative portals, on-line diagnostics...

Lean



- Since 2004, 'Saft World Class Program' has deployed the highest lean standards in all plants
- TPM, pull flows, autonomous teams, lean supply chain, lean engineering...

Collaboration



- One Saft worldwide team sharing information in real time + dedicated communities on specific areas of expertise
- To be **extended** toward external partners (clients, suppliers, R&D...)



Sustainable development



Clean energy



- Our batteries are zero
 CO₂ energy storage devices
- Li-ion technology allows innovative and sustainable energy related services

Circular economy



- Recycling of used nickel based batteries through our take back network
- Over 75% of materials are extracted to be reused by industry

Sustainable design



- Advanced batteries
 tailored to customer needs
 increase our customers'
 energy efficiency
- Our battery designs incorporate recycling constraints without compromising performance

Manufacturing



- Saft is committed to minimizing all impacts from manufacturing operations
- Saft policy is to exceed compliance with national laws and regulations governing environmental protection



Learn more about Saft

















