# Saft Presentation 2017



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## Who is Saft today?

#### INTERNATIONAL PRESENCE **GROUP PROFILE** ...... .......... 0</t .... . . . ............... .... . ... .... ........... ........... .... . . .......... \*\*\*\*\*\*\* .... . . . .......... . . \*\*\*\*\*\*\*\* .... .......... ..... ~100 years of history . . ... ........ ...... .......... . . . ..... .... .... .... ... 32% ....... ... ......... .... .... 35% ... .... . . . LURODE Leadership position North ....... ......... Å ........ 5570 .... . . ..................... .... ..... ................ ..... America on 75-80% of revenue base ...... ...... . . . . . . . . . . . . ..... .... ..... \*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\* .atAm ................. ..... ... .................. ..... ........ ........ ....... ......... . . ............ .......... ........... ... ...... ........... .......... .. ......... 9% invested in R&D with 3 main ............. ......... ... ... ...... ............. ........ ................ ............ ....... ..... ........... ......... ........... .......... ......... .... technologies ......... ....... ......... . . . . . . . . . . . . . . ... ........ ...... . . ...... ...... ............ ....... .... ...... ....... .... ........... ...... ... ..... ..... .... ... 00000 . . ... ... .... ... . . . ... €738m revenue FY 2016 ••• ... 4,100+ 3,000+ customers people



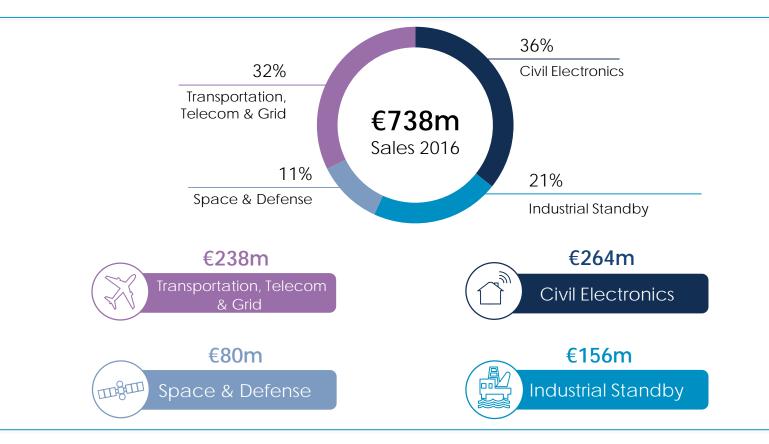
### **Global presence**



## Where we fit in Total



## 2016 sales by division



## Saft Management Committee

<b>Ghislain Lescuyer</b> CEO	
<b>Eric Tersen</b>	<b>Franck Cecchi</b>
Chief Financial Officer	EVP , Industrial Standby
Kamen Nechev	<b>Annie Sennet</b>
Chief Technology Officer	EVP , Space & Defense
<b>Pierre-Yves Tilly</b>	<b>Thomas J. Alcide</b>
Group Human Resources	EVP, Transportation,
Officer	Telecom & Grid
<b>Igal Carmi</b>	<b>Glen Bowling</b>
EVP, Civil Electronics	Sr. VP Sales & Marketing
Jean-Baptiste Pernot	Elma Peters
VP Transformation &	Global Director of
Operational Excellence	Communications



## **Civil Electronics** Igal Carmi, Executive VP

#### Manufacturing sites:

- Büdingen, Germany
- Kiryat Ekron, Israel
- Poitiers, France
- Raškovice, Czech Republic
- South Shields, UK
- Valdese, USA
- Zhuhai, China





## 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

#### Main technologies

- Primary lithium batteries
- Lithium-ion batteries

Our batteries for Civil Electronics

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## Powering smart meters in China

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2016 highlight for Civil Electronics

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## €100M Metering sales in 2016



## Industrial Standby Franck Cecchi, Executive

Franck Cecchi, Executive VP

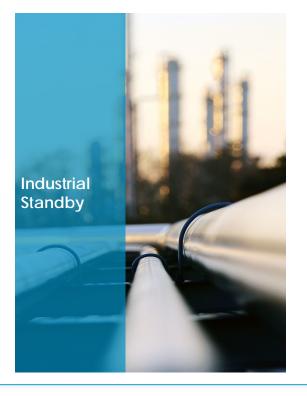
#### Manufacturing sites:

- Bangalore, India
- Bordeaux, France
- Oskarshamn, Sweden
- Raškovice, Czech Republic



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## 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

#### Main technologies

- Nickel-based batteries
- Lithium-ion batteries

Our batteries for Industrial Standby

## Delivering <u>back-up power</u> for E.ON's remote North Sea offshore <u>wind farm</u>

## 2016 highlight for Industrial Standby

## <u>144,000 cells</u> for backup power for <u>Doha metro</u> – largest ISD contract

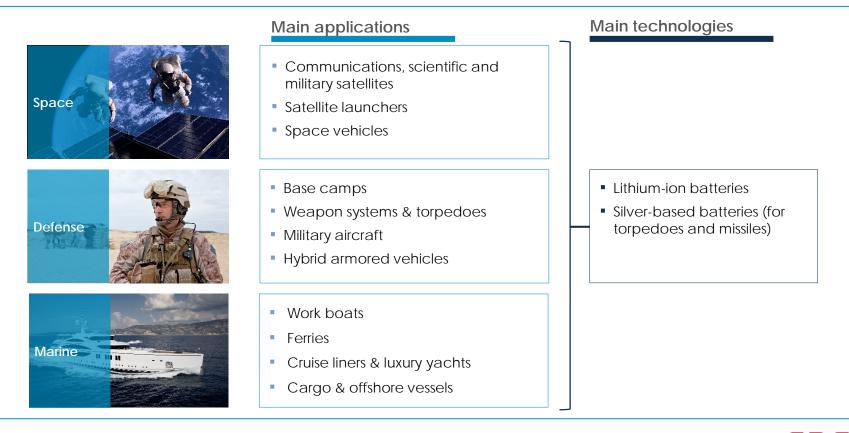
## Space & Defense Annie Sennet, Executive VP

#### Manufacturing sites:

- Cockeysville, USA Poitiers, France



## Market overview: Space & Defense



Our batteries for Space & Defense

## Powering the ExoMars Rover that searches for life on the red planet

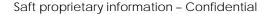


**KONTON** 

2016 highlight for Space & Defense

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## 2,767 X6T batteries for General Dynamics





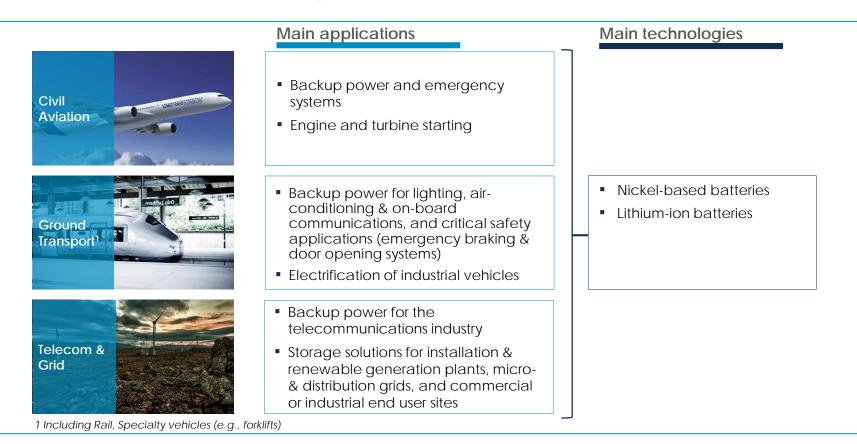
## Transportation, Telecom & Grid Tom Alcide, Executive VP

#### Manufacturing sites:

- Bordeaux, France
- Jacksonville, USA
- Nersac, France
- Valdosta, USA



## Market overview: Transportation, Telecom & Grid





Our batteries for Transportation, Telecom & Grid

## Enabling <u>renewable energy</u> in Puerto Rico



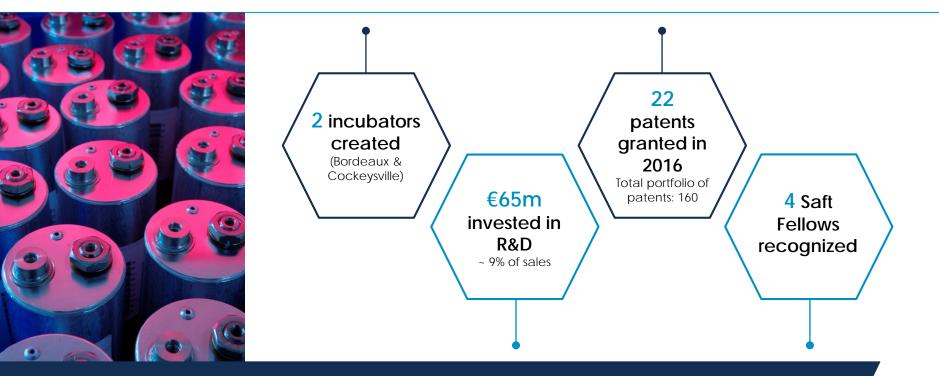


2016 highlight for Transportation, Telecom & Grid

## €15.5M largest TTG rail contract



## **Research and Development excellence**



Continuous innovation for superior products and technology

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## **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

**Transformation Program** 

Enhanced automation, data management, collaborative

portals, on-line diagnostics...

covering all activities

ambitious Digital

#### 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...)



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## Sustainable development



#### Clean energy

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

#### Sustainable design

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

#### Circular economy

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

#### 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







