

Protecting the power
that powers the world.

chloride.com



Chloride's Raison d'Être

With over 75 years of history, Chloride stands today as a global leader in industrial UPS systems. We take pride in designing, manufacturing, and servicing solutions that ensure reliable power supply for critical equipment across industries worldwide.

Building on this legacy, we are driven to achieve new milestones:

1. Accelerating the **energy transition** by enabling cleaner, more efficient power solutions for critical industries.
2. Advancing **sustainability** through system upgrades, life extension programs, and a focus on recyclable and environmentally friendly materials.
3. Driving **innovation** with investments in cutting-edge technologies for batteries, energy storage, and next-generation UPS systems.

As we embark on this exciting journey, we remain committed to **operational excellence**, working together with our customers and partners to deliver power protection solutions that meet the evolving demands of a changing world.



Henri Chignier
Chief Executive Officer

Chloride Today



Chloride became a privately-owned company following its separation from Vertiv on January 1st, 2022.



The company focuses today on its core electro-intensive markets: energy, power generation, grid management, water, transportation and process industries.



Chloride, headquartered in Lyon, France, continues to build upon its rich global heritage, with 80% of its revenue and 90% of its installed base stemming from international markets.



The company has a strong global and regional presence, with a network of trusted subcontractors, partners, consultants and a wide services setup to support its customers worldwide.

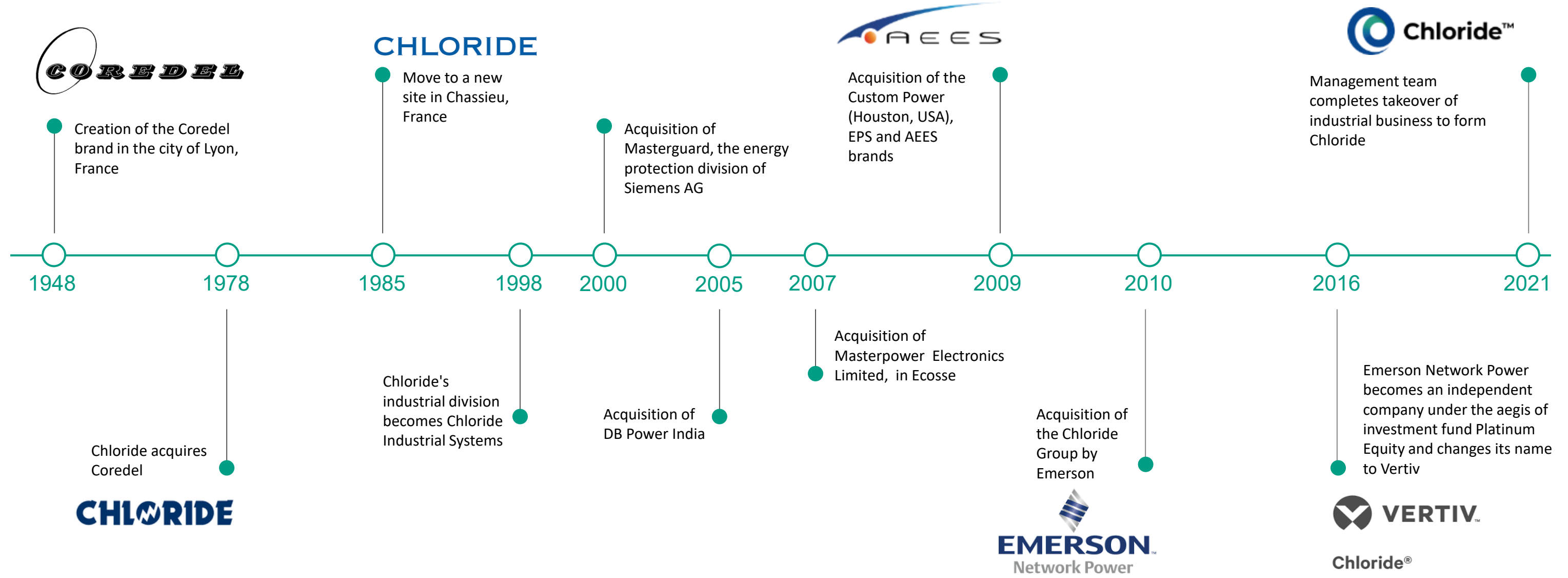
Chloride's Private Equity & Management Buy-Out

- Selected financial partners who share a common vision and strategy for developing Chloride globally
- A committed management team, driving both strategy and operations in full alignment with all shareholders and stakeholders

Chloride's Financial Partners & Investors

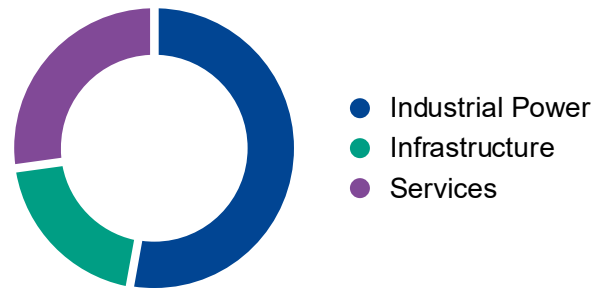


75 Years to Build a Unique Know-How



Chloride in a Nutshell

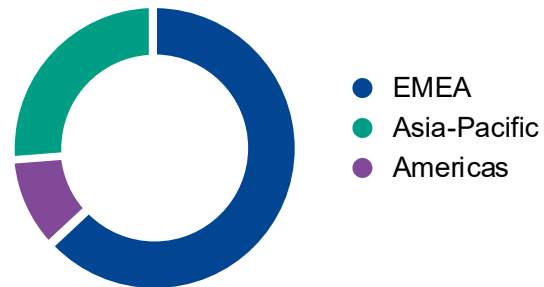
Chloride® builds upon 75+ years of industry-leading technological headship in designing, manufacturing and servicing mission-critical technologies for critical applications



- Industrial Power
- Infrastructure
- Services

Offering

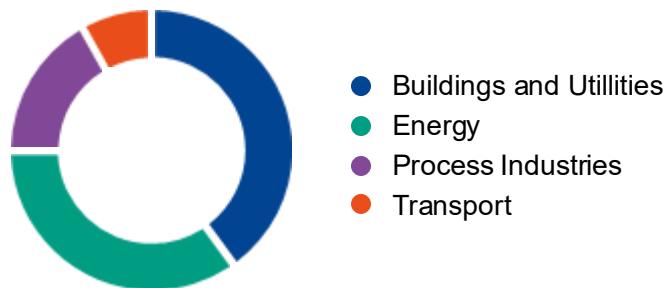
Industrial-grade AC and DC UPS systems and solutions, DC power banks, infrastructure power supplies, emergency lighting



- EMEA
- Asia-Pacific
- Americas

Geography

Global, well-established footprint and supply-chain network



- Buildings and Utilities
- Energy
- Process Industries
- Transport

End Market

Customers who operate in some of the world's most critical industries



Expertise since
1948

Our ambition is to be at the forefront of technological innovation to serve and service our customers in a world in transition. We protect people and provide business continuity for industrial processes and infrastructure.

~400
Employees



Headquartered
in Lyon, France

12

Locations

1

Manufacturing Site

90+

Electrical Engineering
Experts

50+

International Partners

70k

Installed base units

150

Countries
with Sales & Services

A Presence across the Globe, close to our Customers

Global Headquarters

Lyon – France

~400
employees

~50
authorized partners

~12
international offices



They Trust Us (1/2)

End Users - in Energy Industries



End Users - in Power Generation & Grid Management



They Trust Us (2/2)

Contractors - in Energy Industries



Contractors - in Power Generation & Grid Management



Chloride Flagship Brands



Our global industrial power solutions meet the most demanding technical specifications and provide safe, reliable power. Over 75 years of technology leadership to accompany our customers in the changing world.



Our broad portfolio of safety lighting solutions starting from centralized battery systems to autonomous blocs to remote monitoring and connectivity. 40+ year leadership experience to find right solution for each installation.



Chloride[®] Industrial UPS Solutions

Chloride DC Modules

Public utilities & electrical infrastructure
Process Industries, Manufacturing,
Chemical, Transport

- *Standard*
- *Light industrial specifications*
- *Fast track manufacturing process*



Chloride FP20R
Chloride DC modules and rectifiers

Chloride FP Solutions

Public utilities & electrical infrastructure
Process Industries, Manufacturing,
Chemical, Transport

- *Configurable*
- *Light to Medium industrial spec*
- *Fast track manufacturing process*



Chloride FP50R DC UPS

Chloride FP70ZE AC UPS

Chloride CP Solutions

Public utilities & electrical infrastructure
Metals and mining, Transport
Upstream & downstream energy

- *Customizable*
- *Medium to Advanced indus. spec*
- *Innovative SMC/Salt batteries integration*



Chloride CP70Z AC UPS

Chloride CP70R DC UPS

Chloride XP Solutions

Offshore Energy, Mining, Transport
Upstream & downstream energy

- *Customizable*
- *Advanced industrial spec*



Chloride XP90Z EXD AC UPS

Chloride NP Solutions

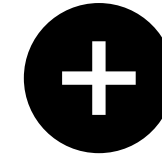
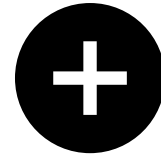
Nuclear Plants and testing laboratories

- *Prototyped to order*
- *Advanced industrial spec*



Chloride NP90Z Nuclear AC UPS

Chloride[®] Innovative Low Carbon UPS Solutions



AC & DC Chloride[®] Industrial UPS

Specifically designed for industrial installations, we use proven technology with on-line double conversion thyristor/IGBT core. These systems have track record of over 30 years, allowing us to maximize reliability, availability and repairability as well as avoid new carbon emissions with end-of-life upgrades.

Chloride[®] Master Battery Control System (MBCS)

MBCS built in the UPS HMI allows monitoring and management of all connected SMC battery modules. As battery modules are connected in parallel it means that the system can automatically (hot swap) connect an N+1 battery element. This eliminates the need to multiply the number of elements by 2 for redundancy, optimizing the system carbon footprint.

Battery SMC/Sodium Metal Chloride

Innovative battery technology based on sodium metal chloride chemistry and operating at high internal temperature avoids any gas emission. This battery has a proven track record in the field demonstrating high resistance to ambient temperatures, zero ageing and operating life of more than 25 years. No electrical live parts for a higher level of operator safety.

AEEES by Chloride[®] Emergency Lighting Products Range

Buildings, Shopping Centres, Theatres, Warehouses, Health, Infrastructure, Stations, Airports

Caption:



Exit sign



Ambiance/Antipanique



Housing



Sleeping quarters



Reinforced Beaconsing Device (RBD)

Self-Contained Safety Lighting (SCSL)



LUMIO



LUMIO NOIR



TEMPO2



LUNA 1000+



FARO 2100



BAPI



Luminaires for Central Systems (LCS)



LUMIO



LUMIO NOIR



TEMPO2



LUNA 1000+



LUXSOL



Accessories



Pictogram plate



Multi-fixing kit



Mounting kits



IP65 kit (Waterproof)



Pictogram kit



IK10 grid



Batteries



Remote control



RFID Reader

Central Systems



DC Systems



EPP

AC Systems



PCC

Central Systems Accessories



Fuse starter kit (depending on version)



Alert Source

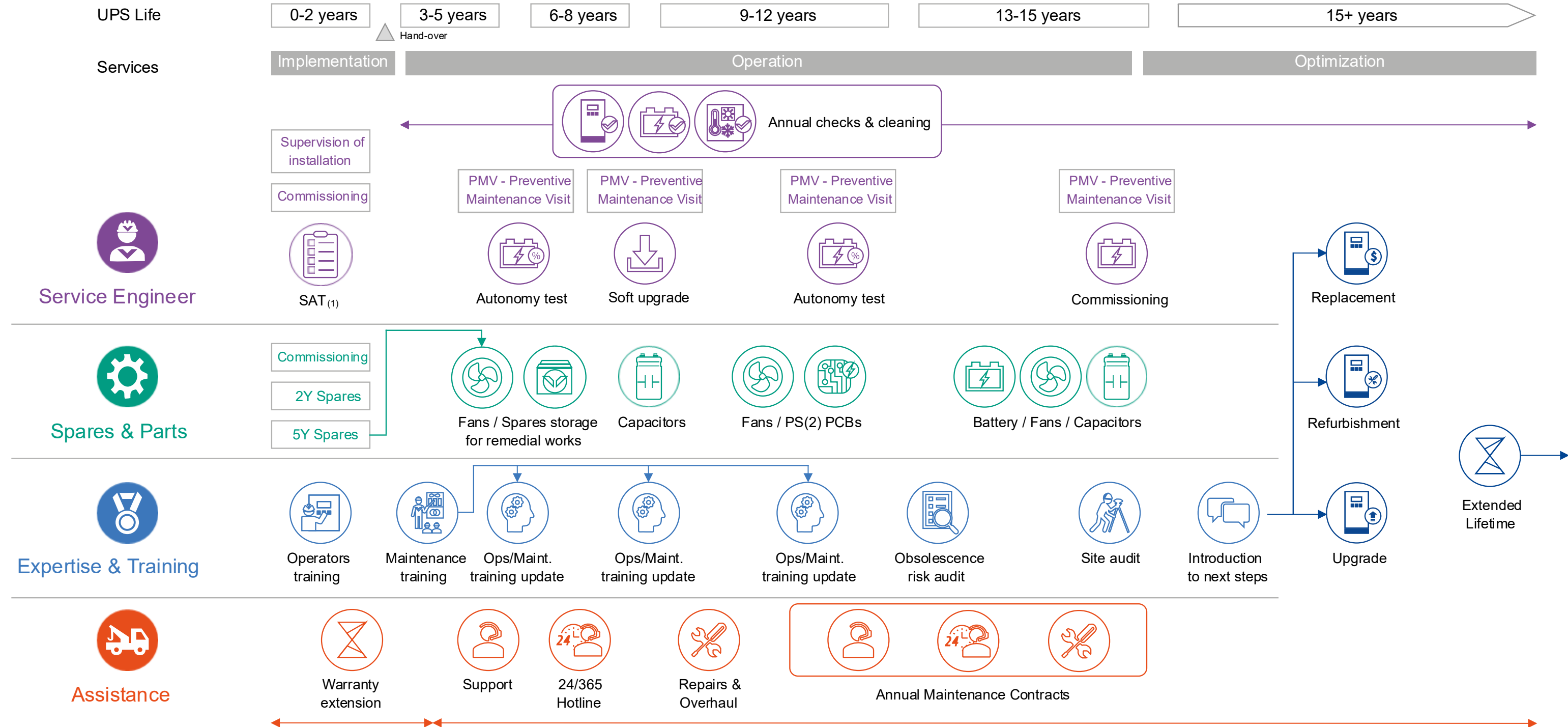


LSC Module + RBD



Divisional anti-panic enclosure

Extensive Lifecycle Services Offering for Chloride® Industrial UPS Systems

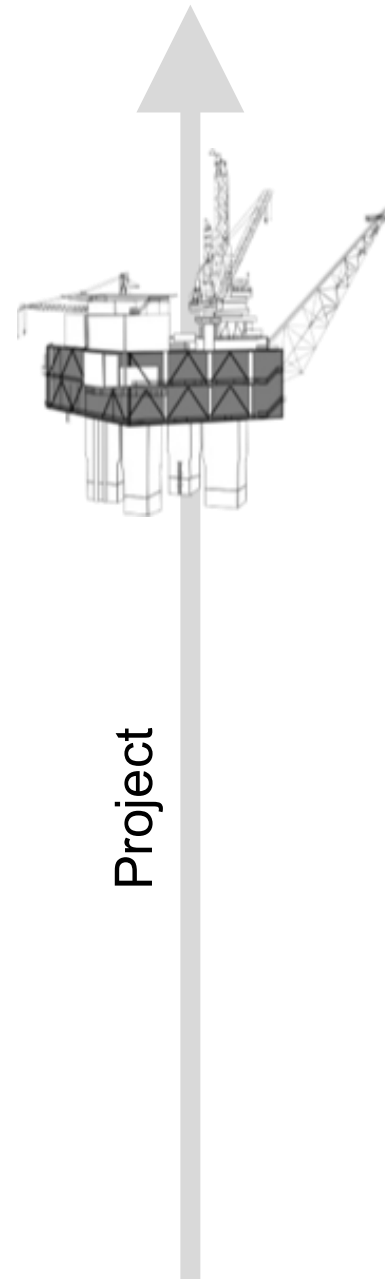
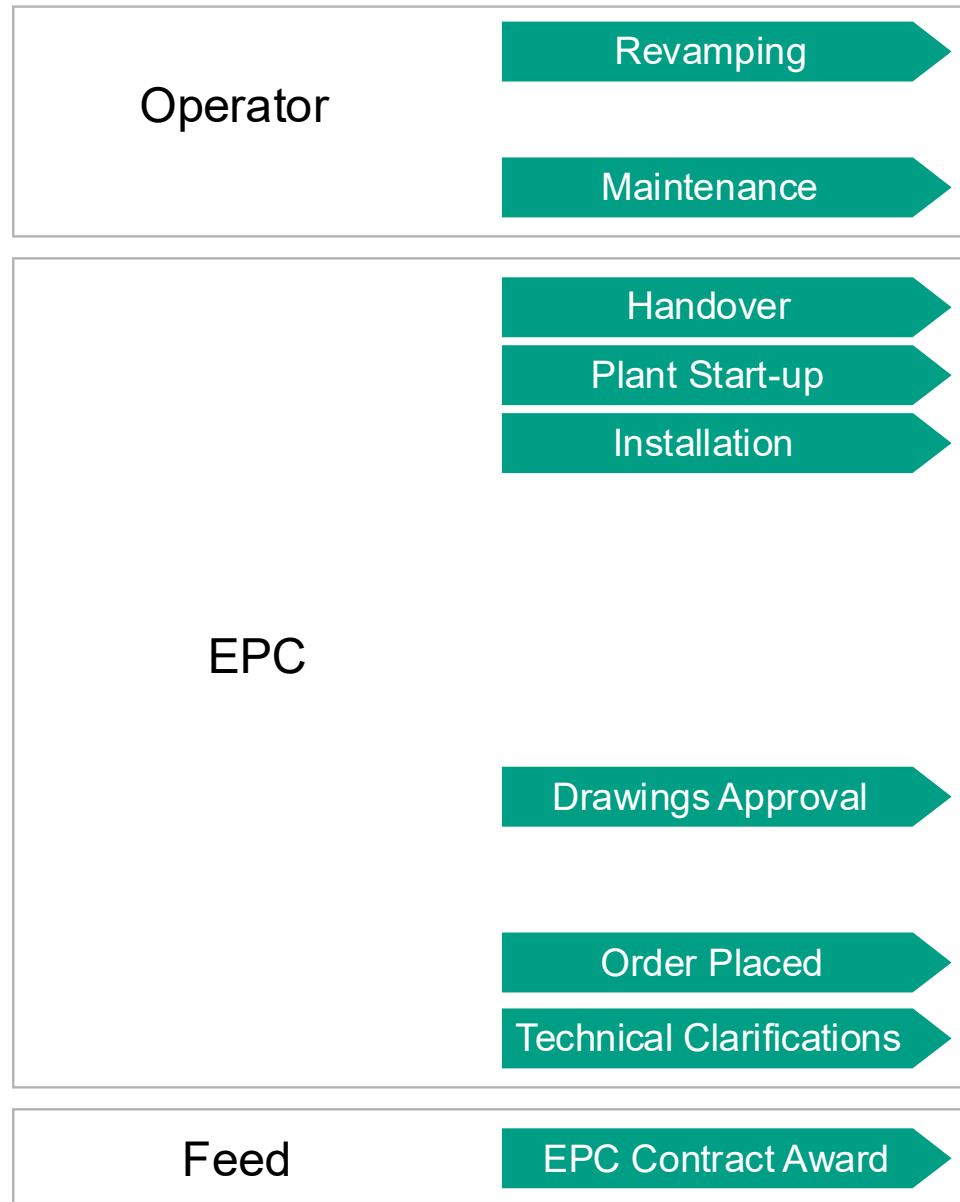


(1) SAT: Site Acceptance Tests (2) PS: Power Supply PCB

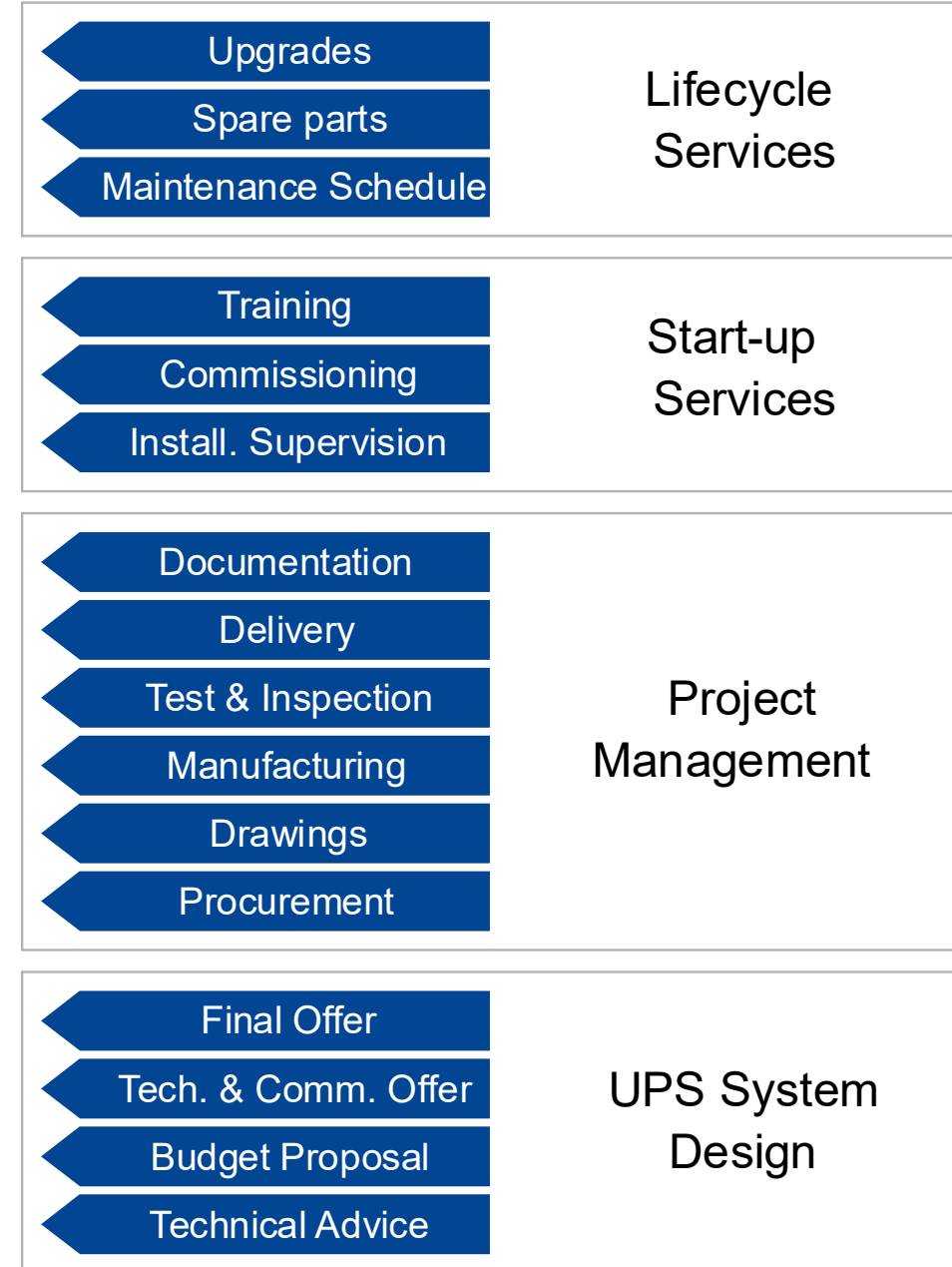
Chloride Full Scale Project Management Capabilities

from early design to lifecycle support

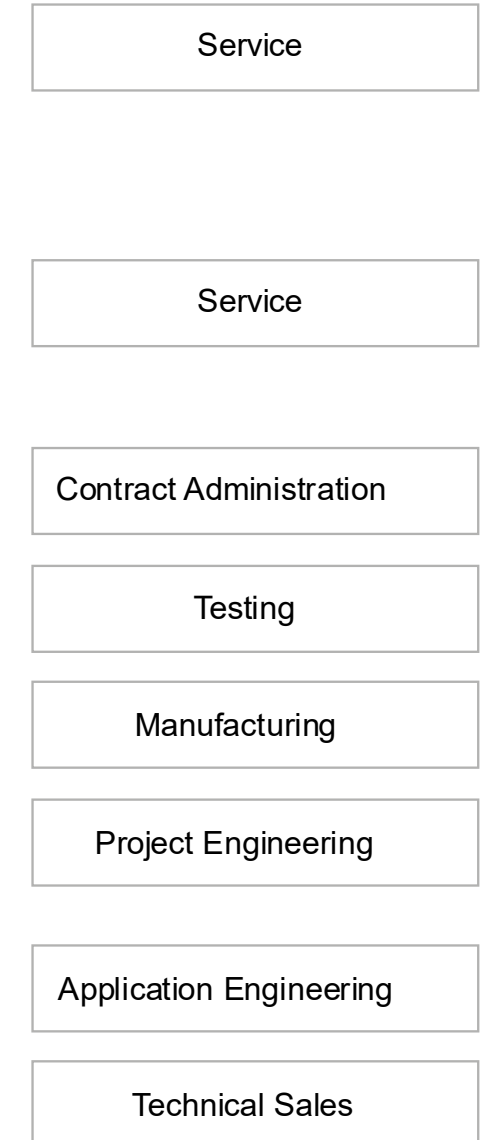
Customer Project Schedule



Chloride® Project Schedule



Chloride® Team



Chloride Industrial Expertise & Capabilities



Diversified global manufacturer and technology provider



200+ days of training per year,
150+ witness tests



Chloride Complete Service Capabilities

A complete life-cycle approach to service, from project launch to ongoing maintenance and performance optimization.

Project

When launching new facilities or powering up new equipment, you want to do it right – right from the start

- Plan
- Design
- Engineer
- Integrate
- Commission
- Project Management

Maintenance

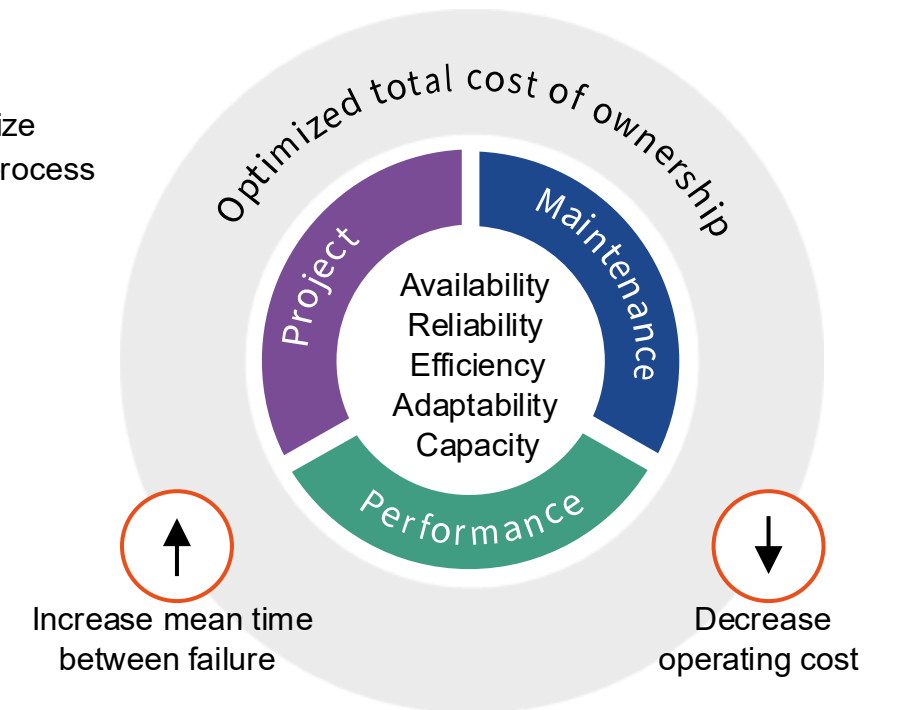
Services to ensure that your business-critical infrastructure operates reliably, safely and efficiently

- Preventive and corrective maintenance
- Remote services and monitoring
- Cap / Fan / Battery replacements
- Repair
- Spare parts

Performance

Full range of services designed to optimize infrastructure performance and reduce process complexity

- Assess
- Audit
- Model
- Configure
- Upgrade
- Train



Company QHSE Commitments



ISO 9001: 2015
Certified



Our quality objectives are:

- Ensure Customers' satisfaction
- Support our customers, from pre-sales advices to life cycle maintenance services
- Continuously improve quality & reliability of our products
- Raise our level of service support
- Ensure the internal processes reliability
- Use field feedback via internal audit
- Correlate our processes with business developments.
- Anticipate and react to the needs of our customers throughout the life cycle of our solutions.



ISO 14001: 2015
Certified



Our environmental objectives are:

- Operate in an environmentally and socially responsible manner according to regulation and internal or external requirements
- Optimize energy consumption and CO2 emissions
- Manage industrial waste from the production until product end of life
- Develop an eco-design approach for future products on an environmentally friendly basis
- Implement "best available technologies" to further improve energy savings



ISO45001 : 2018
Certified



Our health and safety objectives are:

- Protect health and safety of employees, contractors, customers and others affected by their activities
- Control the risks specific to our internal activities or on a customer's site to move towards zero accident.
- Train our employees and our customers on best safety practices
- Provide personal protective equipment
- Raise the working conditions
- Manage health and safety rules of engagement with regular audits and workshops
- Develop a human factor approach for future products on a health and safety friendly basis
- Adapt our work tools and training courses to the Health risks linked to our activities



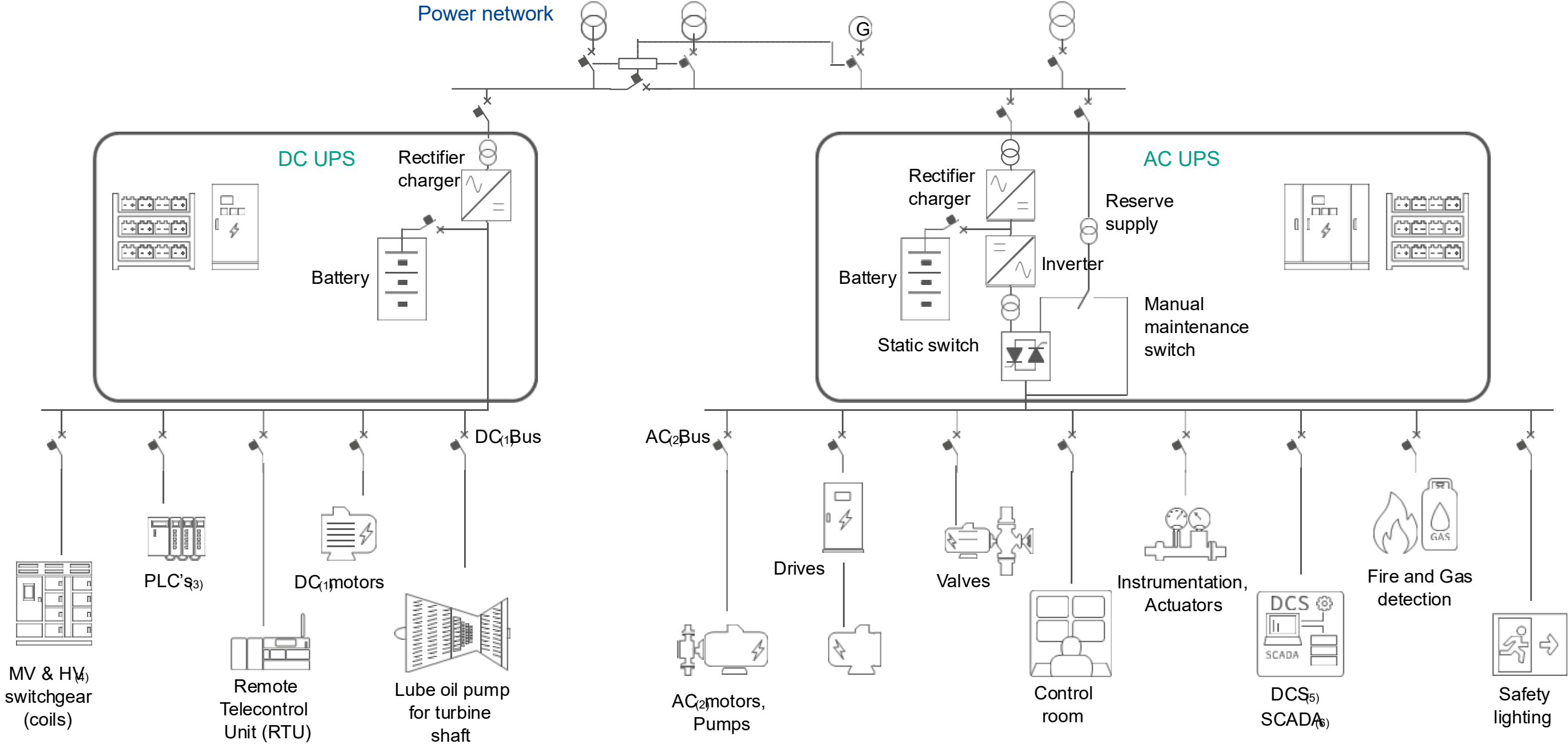
Chloride™

Power to Protect



Appendix

Applications for Chloride Industrial UPS



(1) DC = Direct Current
 (2) AC = Alternating Current
 (3) PLC = Programmable Logic Controller
 (4) MV & HV = Medium Voltage and High Voltage
 (5) DCS = Distributed Control System
 (6) SCADA = Supervisory Control And Data Acquisition

Energy Applications

Upstream



AC UPS

5 to 250 kVA (1-ph output)
Up to 500 kVA (3-ph output)



Chloride CP70Z AC UPS



DC UPS

5 to 250 kVA (1-ph output)
Up to 500 kVA (3-ph output)



Chloride CP70i AC Inverter

Hazardous Zones



Chloride XP90Z EXD AC UPS

Downstream



AC UPS

5 to 250 kVA (1-ph output)
Up to 500 kVA (3-ph output)



Chloride CP70Z AC UPS

Utilities Applications

Power Generation



DC chargers / rectifiers

25 to 250 A (1-ph input)

25 to 2500 A (3-ph input)



Chloride CP70R DC UPS



AC Inverters

5 to 250 kVA (1-ph output)

Up to 500 kVA (3-ph output)



Chloride CP70i AC Inverter

Nuclear Power



Chloride NP90Z Nuclear AC UPS

Transmission and Distribution



Transmission

DC chargers / rectifiers

25 to 250 A (1-ph input)

25 to 2500 A (3-ph input)



Chloride CP70R DC UPS



Primary Distribution

DC chargers / rectifiers

25 to 100 A (1-ph input)

Up to 400 A (3-ph input)



Chloride FP40R DC Chargers / Rectifiers



Secondary Distribution

DC chargers / rectifiers

6-180 A (1-ph input)



Chloride FP20R DC Chargers / Rectifiers

Infrastructure Product Portfolio: Chloride[®] Energy Products

Power distribution, public infrastructure, railway stations, airports, hospitals, industrial sites, groupes électrogènes...

Dedicated applications

Wall-mounted DC UPS



POWERIS ELT
≤ 500 W



POWERIS
≤ 1450 W



LUMERIS
≤ 530 W



ENERIS
≤ 720 W

Options



Chassis



Coupling Diode



Resistor +
Thermostat



Alarm Relay

DC UPS and DC systems



FP20R
≤ 4.5 kW



FP40R
≤ 66 kW



FP50R
≤ 35 kW



SF711
≤ 12.5 kW

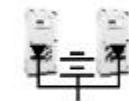


SF723
≤ 7.5 kW

Options



Battery



Configuration



Battery Pack



Distribution

Modules



AC/DC



CE-P
120 W



DELTA
300 W



DELTA
600 W



ALPHA
900 W



ALPHA
1800 W

DC/DC



ULTRA
150 W



ULTRA
300 W

AC



**RU-T Monitoring
Relay**

Options



Kit uir Setting



Display Kits



RS485 Kit Quartz



Mounting Kits



Batt Temp. Probe

Voltage Stabilizers



STMV
≤ 25 kVA



STYO
≤ 135 kVA



STYO+
≤ 1250 kVA



STYS
≤ 4000 kVA

Options



Input Voltage



Input Voltage
Tolerance

Chloride[®] Industrial UPS Solutions

Chloride FP Solutions

Public utilities and electrical infrastructure, transport, industrial sites, chemical

DC Systems



FP20R ≤ 4.5 kW



FP50R < 35 kW



FP40R ≤ 66 kW

AC Systems



FP70ZE 5-80 kVA

Options



Redundant Configuration



Integrated Distribution



Integrated Battery



VCU



Remote Monitoring

Chloride NP Solutions

Nuclear plants, nuclear testing laboratories

DC Systems



NP90R ≤ 660 kW

AC Systems



NP90i 5-500 kVA



NP90Z ≤ 500 kVA

Options



Anti-seismic Structures



Portable Maintenance Tool



Alarm Relays



HMI Touchpad Display



Crowbar Circuit

Solutions



Lead-Acid Batteries



Nickel Cadmium Batteries



Battery Circuit Protection Boxes



Ex d Battery Circuit Protection Boxes



Battery Racks



Anti-Seismic Battery Racks



BMS Battery Monitoring



Battery Cabinets



Distribution Panels



Voltage Stabilizers

Chloride[®] Industrial UPS Solutions

Chloride CP Solutions

Upstream and downstream energy, public utilities and electrical infrastructure, metals and mining, transport

DC Systems



CP70RC ≤ 480 kW



CP70R ≤ 640 kW

AC Systems



CP70i 5-500 kVA



CP70Z 5-500 kVA

Options



Configurations



Analog Meters



12P Rectifier THDI Reduction



VCU



Monitoring



Breaking Capacity

Chloride XP Solutions

Upstream and downstream energy

DC Systems



XP20R ≤ 1.5 kW



XP90R ≤ 15 kW

AC Systems



XP90i ≤ 15 kVA



XP90Z ≤ 15 kVA

Options



Steel, Aluminium, Stainless Steel



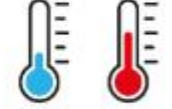
Earth Fault Monitoring



WIFI Connection



Sunshade Canopy



Up to 55°C Ambient

Solutions



Lead-Acid Batteries



Nickel Cadmium Batteries



Sodium Batteries



Lithium-ion Batteries



Battery Racks



Distribution Cabinets



Voltage Stabilizers



Battery Circuit Protection Boxes



Ex d Battery Circuit Protection Boxes



XP Distribution



XP-Skid Distribution



Ex e Battery Enclosure



XP-BMS Battery Monitoring

Industrial UPS are Complete Solutions, Allowing the Integration of External Components

System Level

- AC & DC Distribution
- DC/DC Converters
- Reserve supply voltage stabilizers
- Dropping diodes (VCU)⁽¹⁾
- Automatic Transfer Switches (ATS)



Connectivity Level

- Human-Machine Interface (HMI)
- Synoptics or LED⁽³⁾ messages
- Dry contacts
- Communication gateways
- Monitoring software

Battery Level

- Battery type
- Battery installation
- Battery monitoring system
- Battery circuit protection box (MCCB)⁽²⁾
- Battery black start



The Team



**Henri
Chignier**
Chief Executive Officer



**Sébastien
Rousseau**
Senior Vice President
Operations



**Aurélie
Galante**
QHSE Global Director



**Christine
Parizot**
Global Legal Director



**Pierre
Queyroi**
Vice President
Engineering & Innovation



**Marie-Pierre
Rivas**
Global Human
Ressources Director



**Yolande
Delagrance**
Senior Vice President
Support Functions



**Jean-Baptiste
Trollé**
Vice President
Sales & Marketing