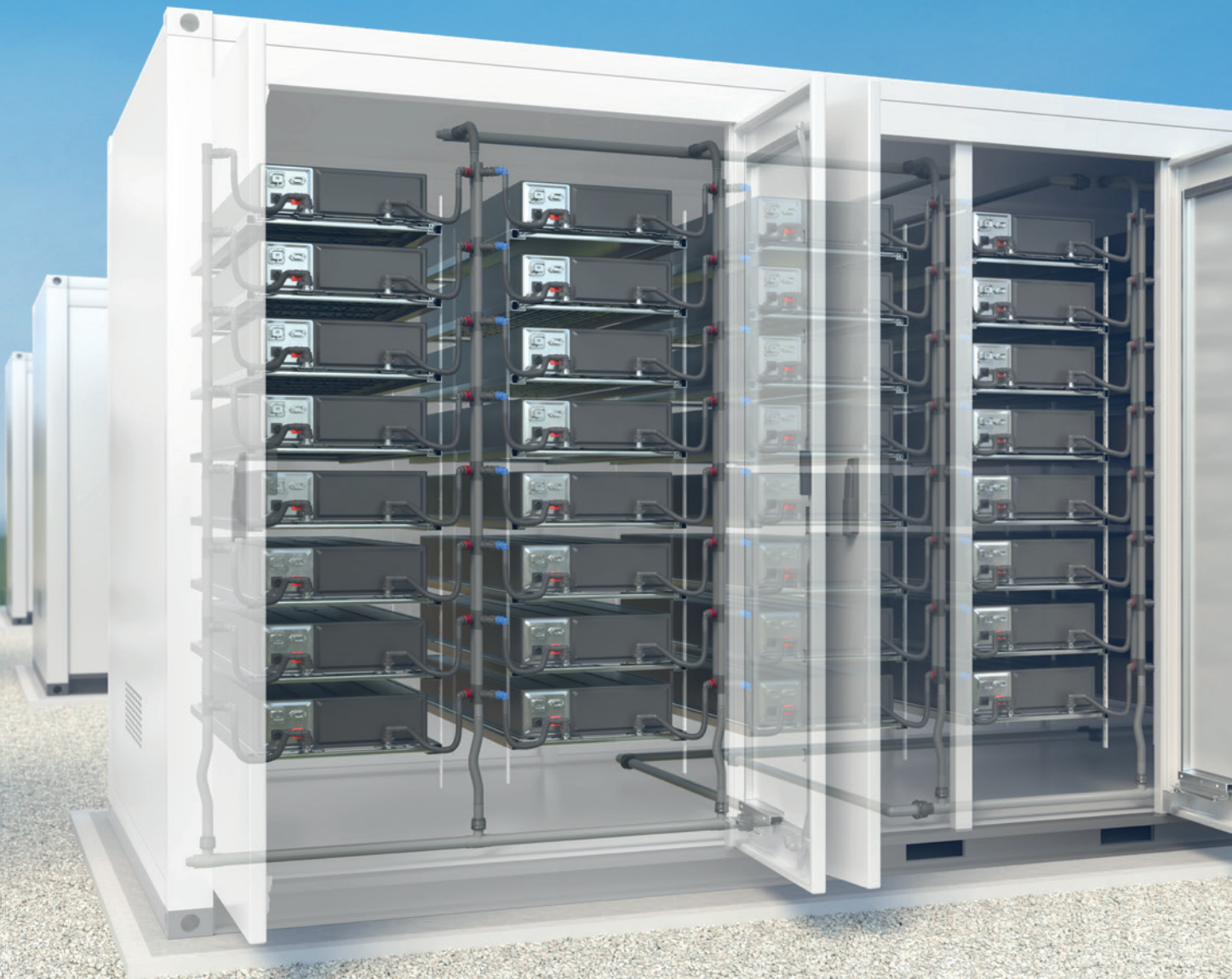


# ARaymond®

SMART, SCALABLE,  
& SUSTAINABLE FLUID HANDLING FOR  
BESS THERMAL MANAGEMENT



OPTIMIZED FLUID SYSTEMS FOR BESS PERFORMANCE

# THERMAL MANAGEMENT FOR EVERY BESS ARCHITECTURE

With over **40 years' experience** in fluid handling, we develop **high-reliability solutions** for demanding environments, **validated by automotive standards.**

## END-TO-END CAPABILITIES

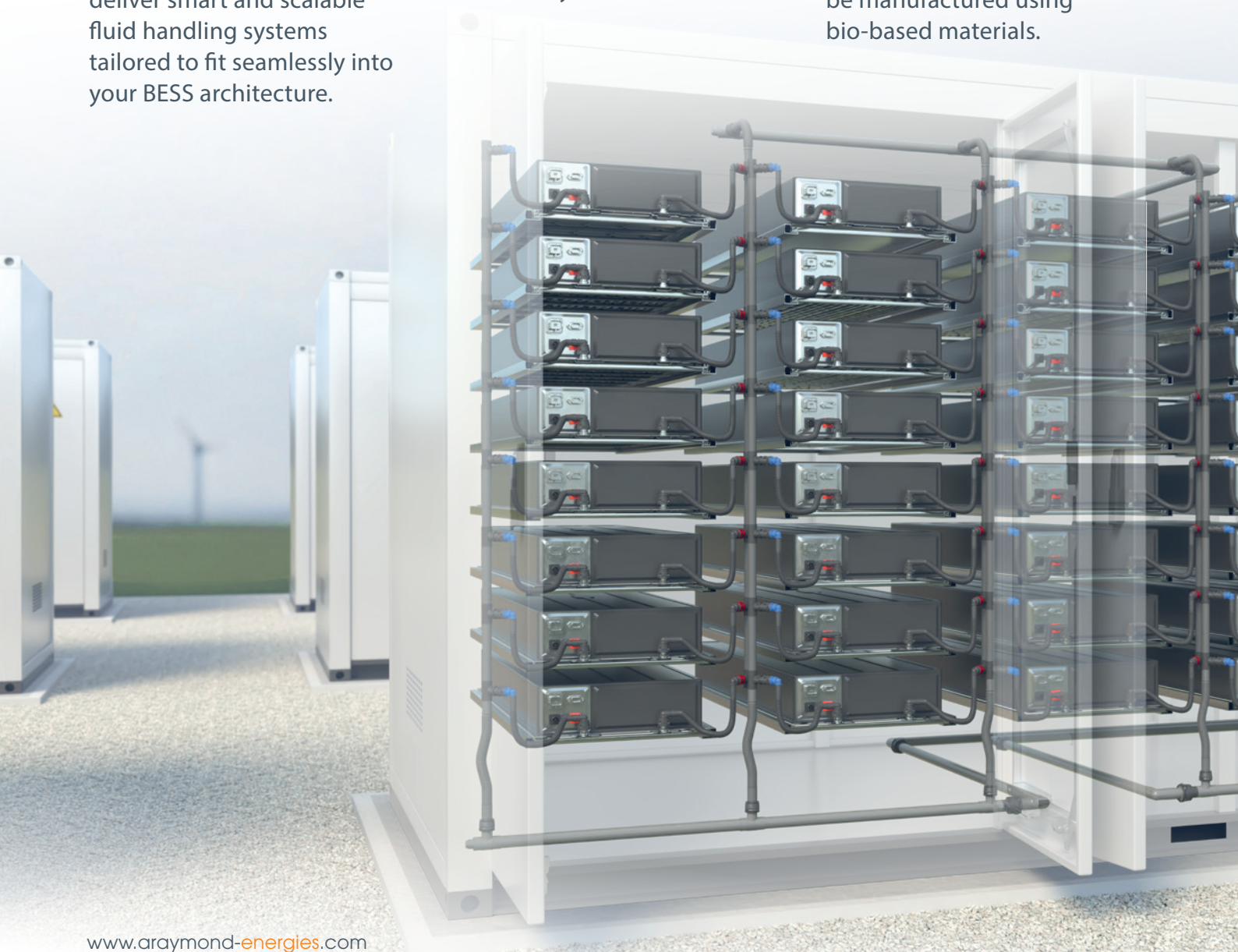
From component design to state-of-the-art manufacturing, our in-house capabilities enable us to deliver smart and scalable fluid handling systems tailored to fit seamlessly into your BESS architecture.

## GLOBAL FOOTPRINT

With teams across 25 countries, we partner closely with you to ensure seamless, responsive, and reliable collaboration, wherever you are.

## COMMITTED TO SUSTAINABILITY

We develop eco-designed components that improve efficiency, simplify disassembly, and can be manufactured using bio-based materials.



# CUSTOM-MADE FLUID HANDLING ASSEMBLIES

Every Battery Energy Storage System (BESS) is different. At ARaymond we design **modular, scalable, and customizable fluid handling assemblies** that fit your thermal strategy, installation constraints, and performance targets.

## A VERSATILE FLUID HANDLING OFFER

Our solutions combine off-the-shelf and tailor-made plastic components. They optimize fluid flow and reduce pressure loss, in reliable designs engineered for easy integration.

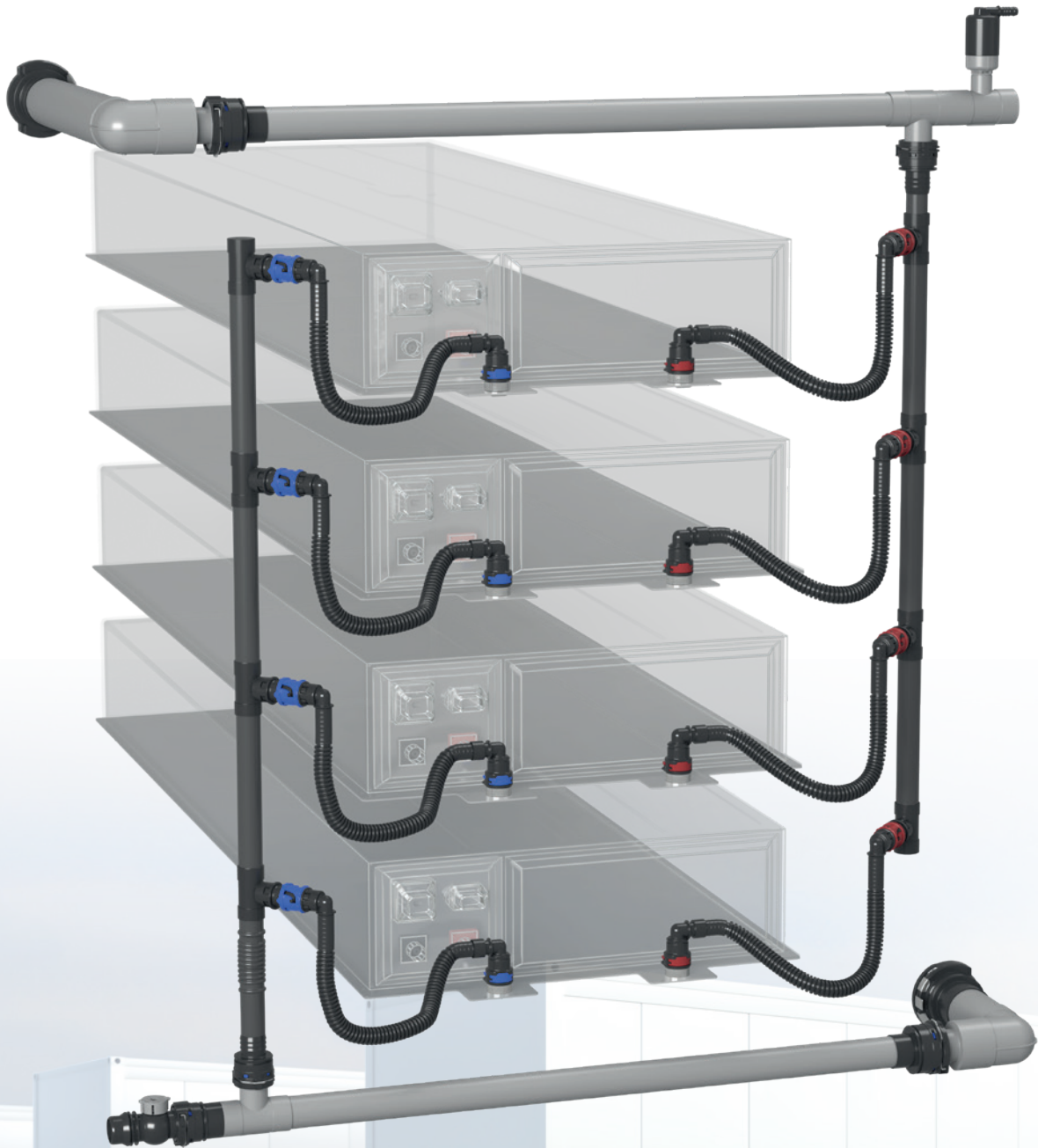


From Quick Connectors (QCs) to manifold interfaces, our adaptive components help you build thermal management systems that are safer, more efficient, easier to assemble and service.



# SYSTEM INTEGRATION FLUID SOLUTIONS

Smart solutions designed to simplify installation, ensure peak system performance, and enable **faster, safer maintenance.**





## CUSTOMIZATION & SCALABILITY

- Plastic-injected fluid handling solutions, off-the-shelf or fully bespoke.
- Modular systems tailored to your architecture.
- Designs optimized for minimal pressure drop and maximum efficiency.



## DRY BREAK DOUBLE SHUT-OFF VALVES

- Fast, clean disconnection with no fluid loss for minimal downtime.
- Customizable to your interface requirements.
- Available in bio-based or UL94 V0 materials.



## FLUID CONNECTIONS FOR EVERY NEED

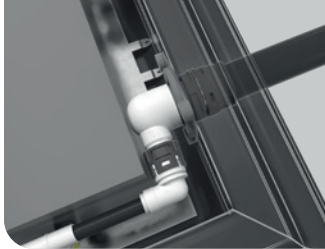
- Easy-to-service QCs with broad compatibility across tubes, manifolds, and thermal management components.
- From large flow connections, to rack manifolds, to smaller battery cooling lines.



## VALVES

- Venting valves.
- Drain valves.
- Fast and clean operation and maintenance.

# BATTERY COOLING SOLUTIONS



## ADVANCED INTERFACES

- Pass-throughs, inlets, and outlets for seamless, leak-free routing.
- Plastic flex-to-bond end pieces optimized for aluminum components.



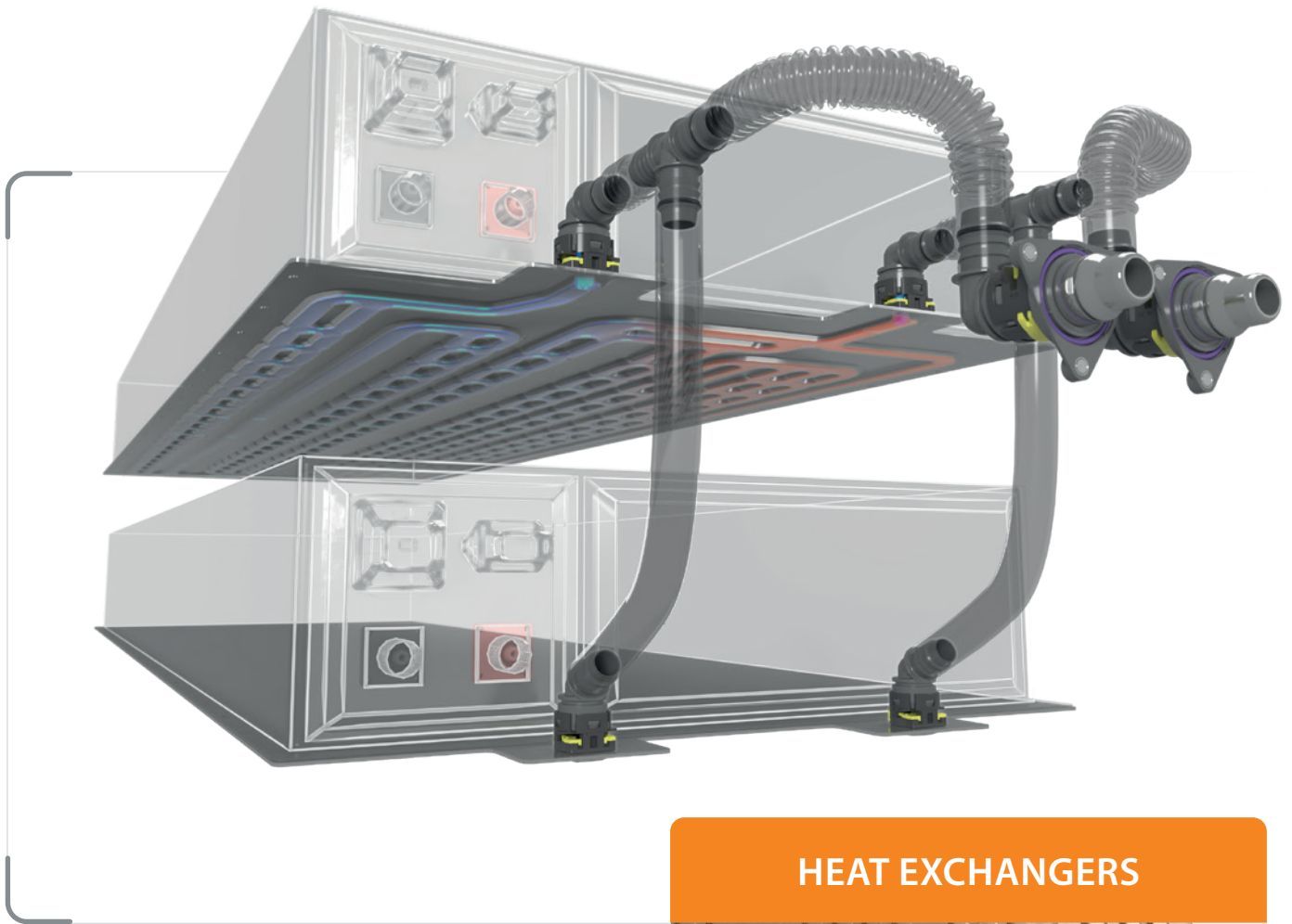
## TEMPERATURE SENSORS

Reliable, space-efficient design for easy integration and minimal pressure loss.



## FLUID CONNECTIONS

Secure, easy-to-use Compact QCs for efficient installation.



## HEAT EXCHANGERS



- Customizable internal channels for efficient heat transfer and balanced coolant flow.
- Thin plates<sup>1</sup> made from joined and inflated aluminum sheets.
- High volume capabilities for consistent quality and competitive cost per kWh.
- 100% recyclable aluminum and up to 30% lighter than traditional cooling plates.

<sup>1</sup>Compared to tubing-based solutions.



# WELCOME TO ARAYMOND

Your BESS fluid handling partner, from concept to delivery.

Global presence, local support in 25 countries.



Contact us on [www.araymond-energies.com](http://www.araymond-energies.com)

## AMERICAS

### USA & CANADA

+1 248 265 4000

### BRAZIL

+55 19 3836 6900

## ASIA

### CHINA

+86 0511-85309100

### INDIA

+91 (2135) 676 200

### JAPAN

+81 463 40 8600

### SINGAPORE

+ 65 6634 1041

### SOUTH KOREA

+82 70 5055 5000

### THAILAND

+ 66 2653 3174

### VIETNAM

+ 84 347910808

## EMEA

### CZECH REPUBLIC

+420 48 335 81 11

### FRANCE

+33 4 76 33 49 49

### GERMANY

+49 7634 50800

### ITALY

+39 161 937311

### SWEDEN (SALES AGENT)

+46 31 703 34 40

### TÜRKIYE

+90 262 658 1058

### UNITED KINGDOM

+44 1732 871934