

# Duplomatic Group

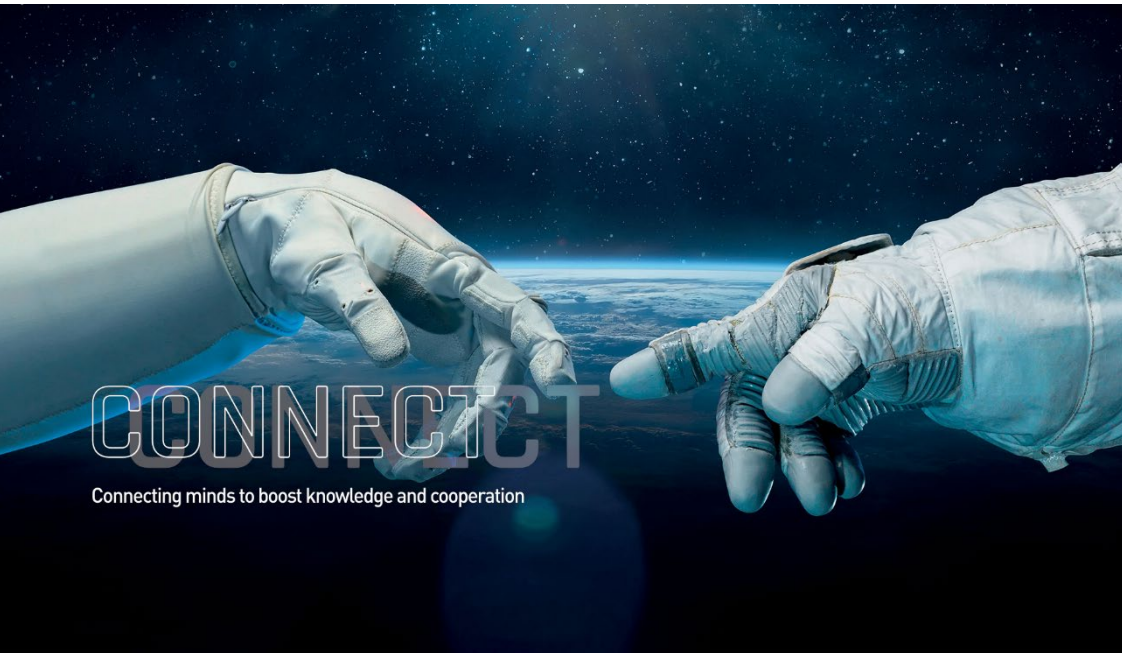
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## Corporate Overview

July 5<sup>th</sup> 2024 Website Edition

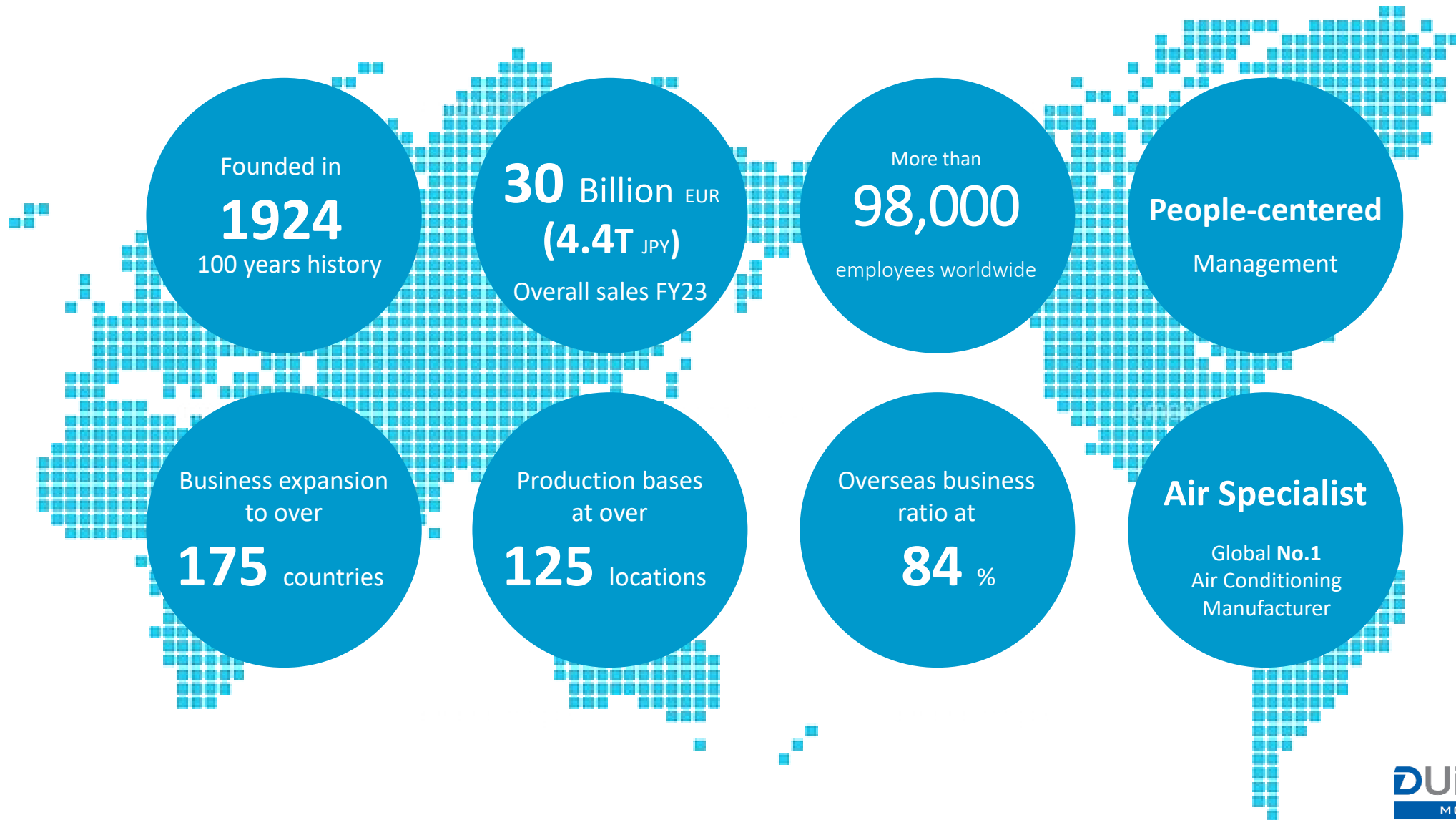


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# 1. DAIKIN OVERVIEW

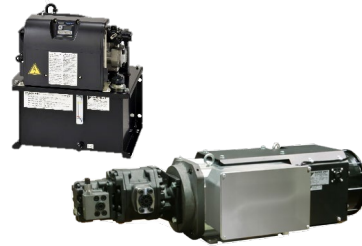


# 1. DAIKIN OVERVIEW



Daikin Technology Innovation Center

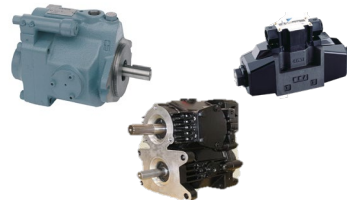
## Oil Hydraulics



"Hybrid" Power Units



Industrial process chillers



Pumps, Valves, HST

## Air Conditioning



Residential



Commercial



After Sales Service

## Chemicals



Refrigerant

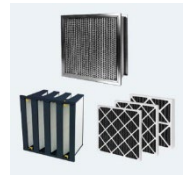


Semiconductor Applications



Automotive Applications

## Others



Filters



Oxygen Concentrators



IT Software

# 1. DAIKIN HYDRAULIC BUSINESS FIELDS

## Industrial hydraulics

### Hybrid hydraulic products



Oil/water chiller

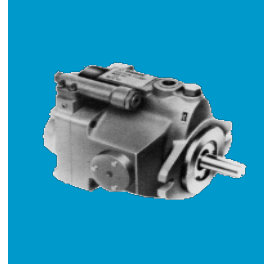


Super Unit



ECO-RICH

### Conventional hydraulic components



Pumps

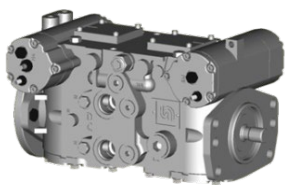


Solenoid valves



Modular stack valves

## Mobile hydraulics



Hydrostatic Transmission  
for construction machinery



## Lubrication



Grease Pumps for Steel Mill



# 1. GLOBAL PRESENCE & WORLDWIDE SUPPORT



**DIPLOMATIC**  
MOTION SOLUTIONS  
a member of **DAIKIN** group

**CONTINENTAL**  
**HYDRAULICS**  
engineering in motion

**HYDRECO**  
ADVANCED HYDRAULIC TECHNOLOGIES

**TILL**  
**HYDRAULIK**

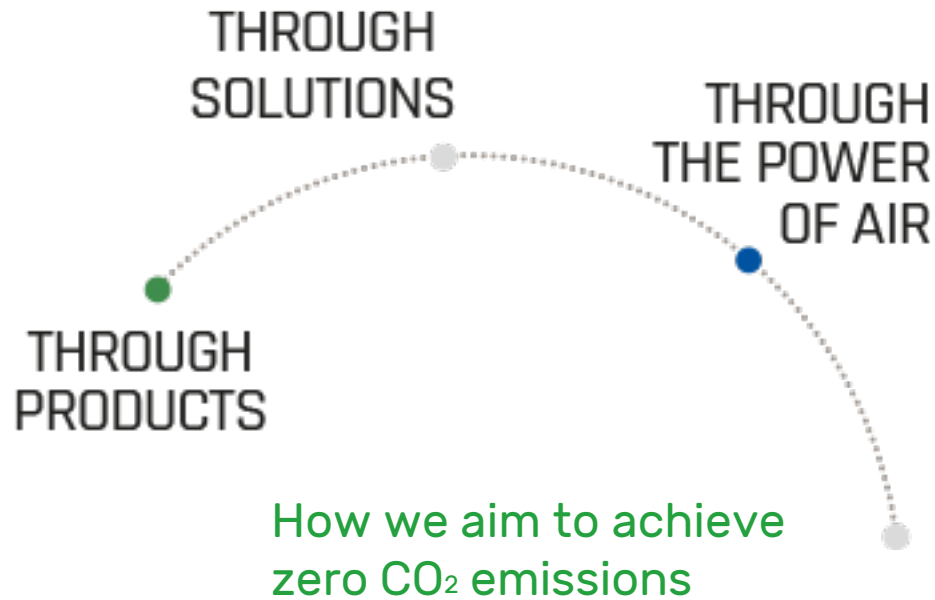
**ALL WORLD**  
MACHINERY SUPPLY



**DIPLOMATIC**  
MOTION SOLUTIONS  
a member of **DAIKIN** group

## 2 . F O C U S O N S U S T A I N A B I L I T Y

### Daikin Environmental Vision 2050

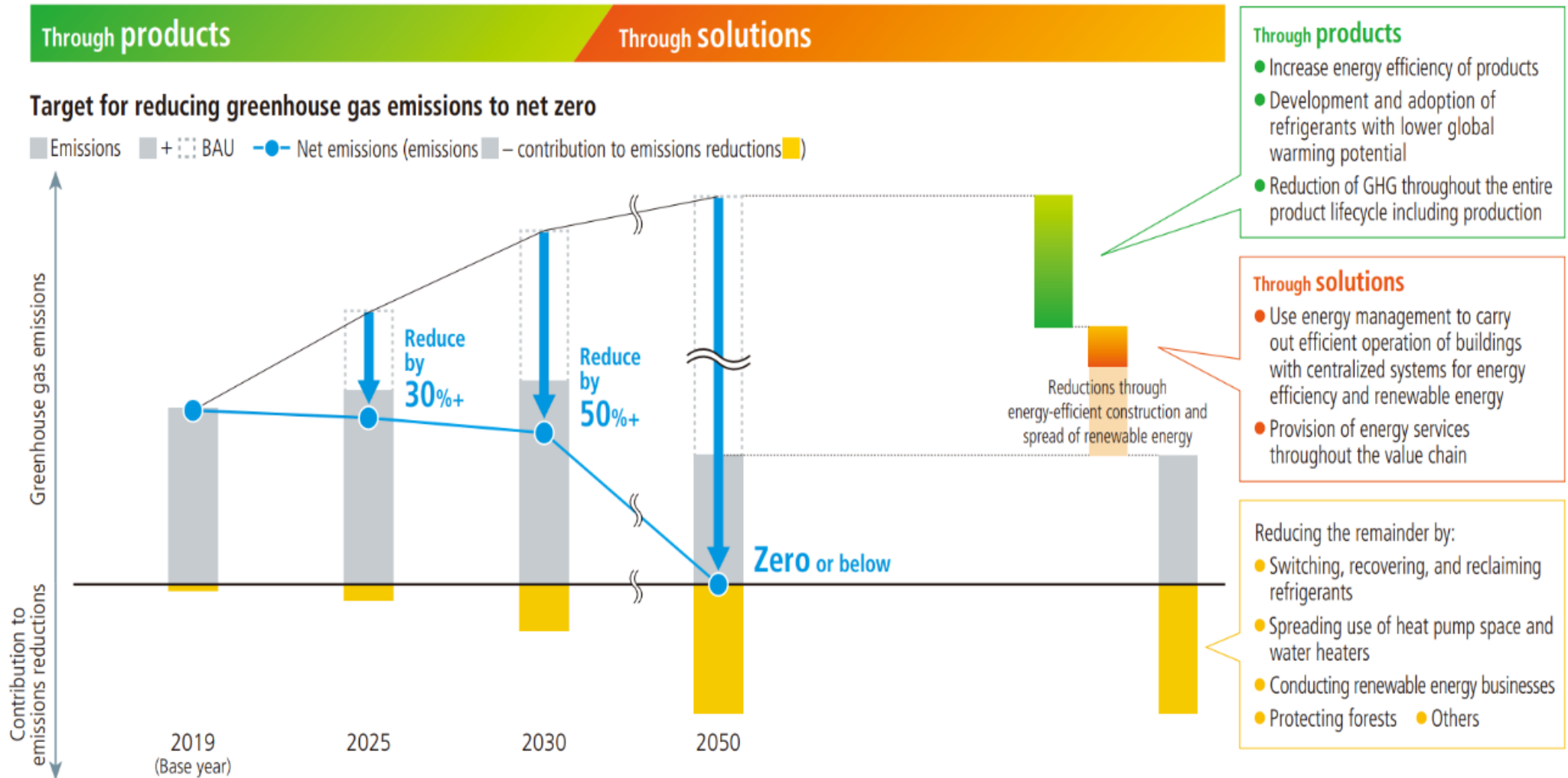


- More energy-efficient products
- Development and adoption of refrigerants with low global warming potential
- Promoting heat pump technology
- Use of energy management to carry out efficient operation of buildings
- Provision of energy services throughout the value chain
- Recovery and recycling of refrigerants



# 2. FOCUS ON SUSTAINABILITY

With the base year set at 2019, we aim to **reduce greenhouse gas emissions by 30% or more in 2025 and by 50% or more in 2030** compared with emissions without measures (Business As Usual).





## 2. FOCUS ON SUSTAINABILITY



Most energy consumption comes from the machine line in factories.

Machining line	Assembly	Compressor	Air conditioning	Lighting and other
45%	18%	18%	14%	5%

Our **Hybrid Systems** provide energy savings compared to conventional hydraulic units, contributing to reduction of greenhouse gas emission in industrial sectors.



INVERTER-CONTROLLED HYDRAULIC POWER UNITS

ECO-RICH



SUPER UNIT



INVERTER CHILLER

(low GWP R32)

# 3 . D U P L O M A T I C   G R O U P

“**DIPLOMATIC GROUP** designs and manufactures technology solutions for motion control in multiple sectors.

## 3 BRANDS

**DIPLOMATIC**  
MOTION SOLUTIONS  
a member of **DAIKIN** group



**Diplomatic MS**  
for industrial  
applications

**HYDRECO**  
a member of **DAIKIN** group



**Hydreco Hydraulics**  
for mobile  
applications

**CONTINENTAL**  
**HYDRAULICS**  
a member of **DAIKIN** group



**Continental Hydraulics**  
for industrial applications  
in North America

# 4. AT A GLANCE

## HIGHLIGHTS

at 31.12.2023



**Headquarter**

Parabiago  
(Milan, Italy)



**17**

plants worldwide



**700 ~**

employees



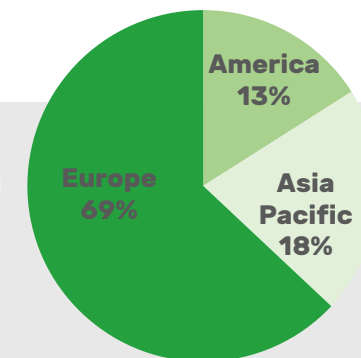
**5,000 +**

customers



**170 Mln €**

group consolidated  
turnover



turnover by  
geographic area

# 5. DIPLOMATIC GROUP

**DIPLOMATIC**  
MOTION SOLUTIONS  
a member of **DAIKIN** group



## Diplomatic MS Spa

**FOUNDATION 1952**

### LOCATION

> **Parabiago (Milan, Italy)**

### PRODUCTS

Valves, systems, electronic devices and electric actuators  
Turnkey projects

Diplomatic MS Spa  
**BU Hydraulic Systems**  
**FOUNDATION 1985**

### LOCATIONS

> **Lainate (Milan, Italy)**

> **Padova (Italy)**

### PRODUCTS

Complex hydraulic systems for industry, energy, off-shore, iron & steel, oil & gas

Diplomatic MS Spa  
**BU Mechatronics**  
**FOUNDATION 2020**

### LOCATIONS

> **Rosta (Turin, Italy)**

> **Sulbiate (Monza Brianza, Italy)**

### PRODUCTS

**Rosta**  
(Production Plant)  
Electric actuators  
**Sulbiate**  
(Design Center)  
Electronic devices for Industry 4.0

Diplomatic MS Spa  
**BU Chillers**  
**FOUNDATION 2024**

### LOCATION

> **Busto Arsizio (Varese, Italy)**

### PRODUCTS

Industrial chillers

Diplomatic MS Spa  
**BU Electric Drives & Motors**  
**FOUNDATION 2024**

### LOCATION

> **Barbarano Mossano (Vicenza, Italy)**

### PRODUCTS

Reluctance motor R&D

**Diplomatic Hydraulics Shanghai**  
**FOUNDATION 2015**

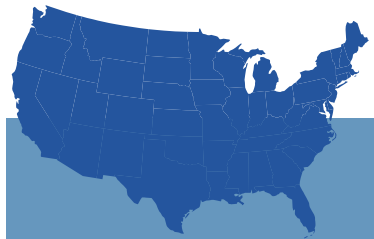
### LOCATION

> **Shanghai**  
Pudong Chuansha Economic Park, China

### PRODUCTS

Valves

# 6. DIPLOMATIC GROUP



**Continental Hydraulics**

**FOUNDATION 1962**

**ACQUISITION: 2011**

**LOCATION**  
> Shakopee (MN, USA)

**PRODUCTS**  
Pumps, valves, systems

**SECTORS**  
Industrial applications



**Hydreco Hydraulics**

**FOUNDATION 1860**

**ACQUISITION: 2019**

**LOCATION**  
> Poole (UK), Italy, Germany, Norway, India, Australia, USA

**PRODUCTS**  
Pumps, valves, PTOs, cylinders, controls

**SECTORS**  
Mobile applications



**Hydreco Italia Srl**  
**LOCATION**  
Vignola (Modena), Parma (Italy)

**PRODUCTS**  
Remote controls, pilot valves, direct control valves, gear pumps



**Hydreco Srl**  
**LOCATION**  
San Cesario s/P (Modena, Italy)

**PRODUCTS**  
Hydraulic cylinders



**Hydreco India Ltd**  
**LOCATION**  
Bangalore (India)

**PRODUCTS**  
Gear pumps



**Hydreco Norway A/S**  
**LOCATION**  
Nittedal (Norway)



**Hydreco Pty Ltd**  
**LOCATION**  
Seven Hills (NSW, Australia)  
Welshpool (WA, Australia)

**PRODUCTS**  
PTOs, pumps, valves, controls



**Hydreco GmbH**  
**LOCATION**  
Straelen (NRW, Germany)



**Till Hydraulik**

**FOUNDATION 1962**

**ACQUISITION: 2021**

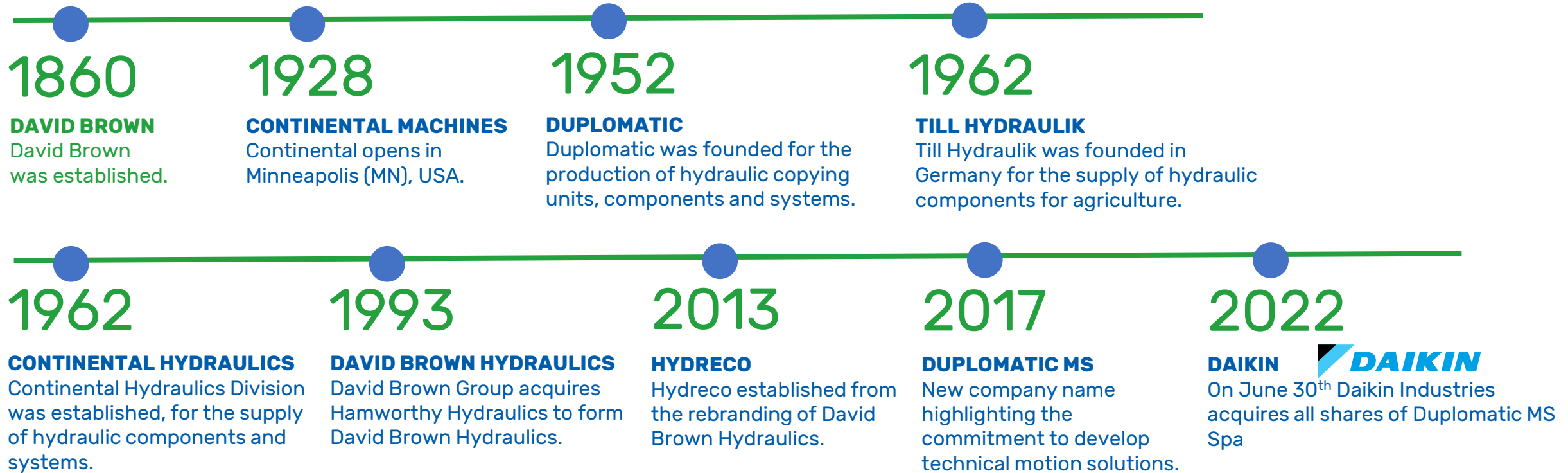
**LOCATION**  
> Helmstedt (Germany)

**PRODUCTS**  
Valves, control technology, cylinders, micro hydraulics

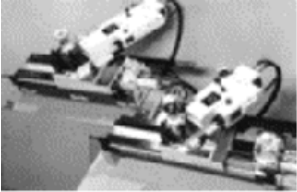
**SECTORS**  
Medical and mobile applications


## 7. GROUP TIMELINE


# our journey to date





# 8. DUPLOMATIC BRAND HISTORY


**1952**  
Foundation of Duplomatic (hydraulic copying units)  



**1960**  
Production of a complete hydraulic range  



**1962**  
Duplomatic Oleodinamica, fully dedicated to hydraulics  


**1997**  
Spin off of Duplomatic Oleodinamica.  


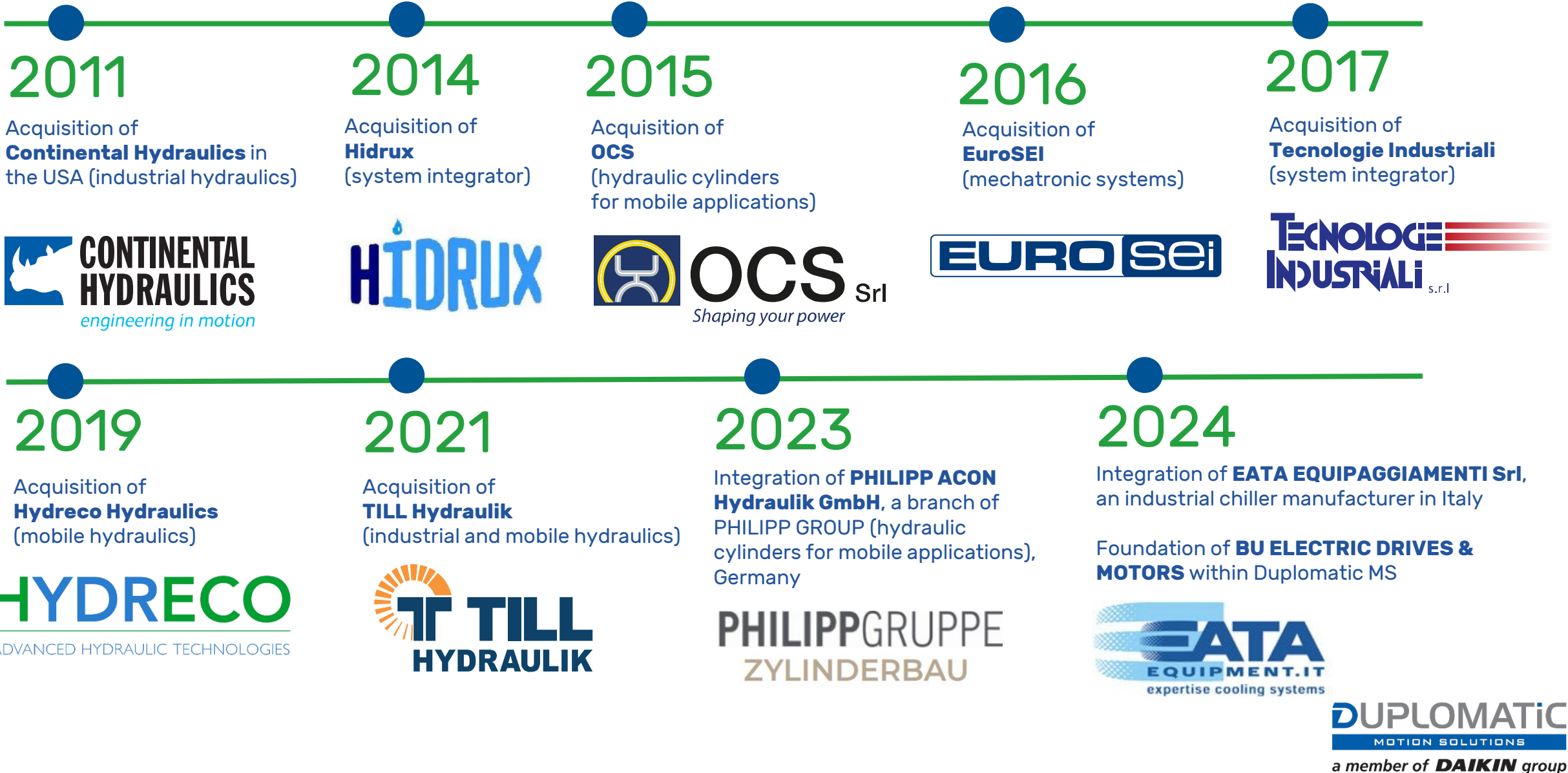
**2015**  
Duplomatic Hydraulics Shanghai, to serve directly the Chinese market  


**2017**  
New company name  
DUPLOMATIC MS Spa  


**2018**  
New branch in the Middle East  


**2022**  
Duplomatic Motion Solutions a member of Daikin group  
  
*a member of **DAIKIN** group*

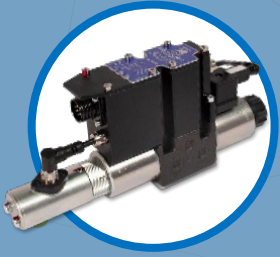
# 8 . M E R G E R & A C Q U I S I T I O N S





# 9. PRODUCT RANGES

VALVES



PUMPS



POWER TAKE OFFS



HYDRAULIC SYSTEMS



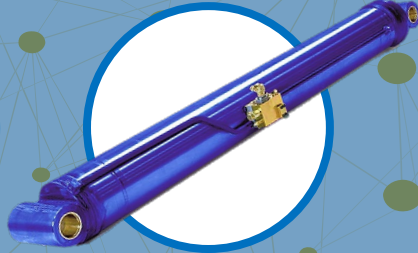
HYBRID SYSTEMS \*  
- VFD CONTROL HPU



HYBRID SYSTEMS \*  
- INVERTER CHILLER



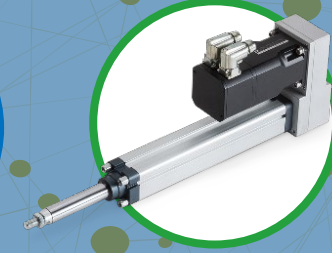
MICRO HYDRAULICS



HYDRAULIC CYLINDERS



REMOTE CONTROLS



ELECTRIC ACTUATORS\*



ELECTRIC DRIVES & MOTORS \*



INDUSTRIAL PROCESS CHILLERS \*



TURNKEY PROJECTS

\* sustainable/energy saving solutions

# 10 . A P P L I C A T I O N S

## industrial

INDUSTRIAL MACHINERY  
LUBRICATION  
MARINE  
MEDICAL TECHNOLOGY  
OIL & GAS  
POWER GENERATION  
RAILWAY  
TESTING  
TURNKEY



# 11. APPLICATIONS

## mobile

AGRICULTURE  
CONSTRUCTION  
EARTH MOVING  
FORESTRY  
MATERIAL HANDLING  
MINING  
MUNICIPAL  
TRANSPORT



# 12. TURNKEY PROJECTS

## EXPO 2020 (DUBAI, UAE)

The UAE Pavilion, designed by Santiago Calatrava, is inspired by the hawk, symbol of the country.

Design, manufacturing, installation, test and commissioning of the motion system used for the actuation of 28 carbon/glass-fiber shaped wings (5 to 14 tons, total lengths in the range 30 to 65 m).

- 1 MW installed power
- 46 hydraulic cylinders
- 2.5 km high-pressure piping
- 20 km of electric cables and conduits
- approx. 2,000 control points spread on the whole building
- 17 electric cabinets for power supply and motion control, including dedicated motion control cards and 9 PLCs.



Photo by: Barbara Burg + Oliver Schuh, [www.palladium.de](http://www.palladium.de)

TOGETHER  
we design the future

We strongly believe that innovation comes from Customer understanding and through a long and structured process of Research & Development.

We are constantly focused both on the organic build-up of competences and a strategy of growth focused on acquisitions.

## R&D

Our investments in **R&D** are aimed at consolidating existing technologies and developing solutions for new applications. We believe in the transformation of core traditional hydraulic products through the digital paradigm. **IO-Link** is a good example. We cooperate with **top Universities and R&D centers** worldwide to enable the innovation.

## ACQUISITIONS

The acquisition of companies with complementary technologies guarantees the preservation of the Group **technological excellence and worldwide leadership**, thanks to the development of constantly new products and services.

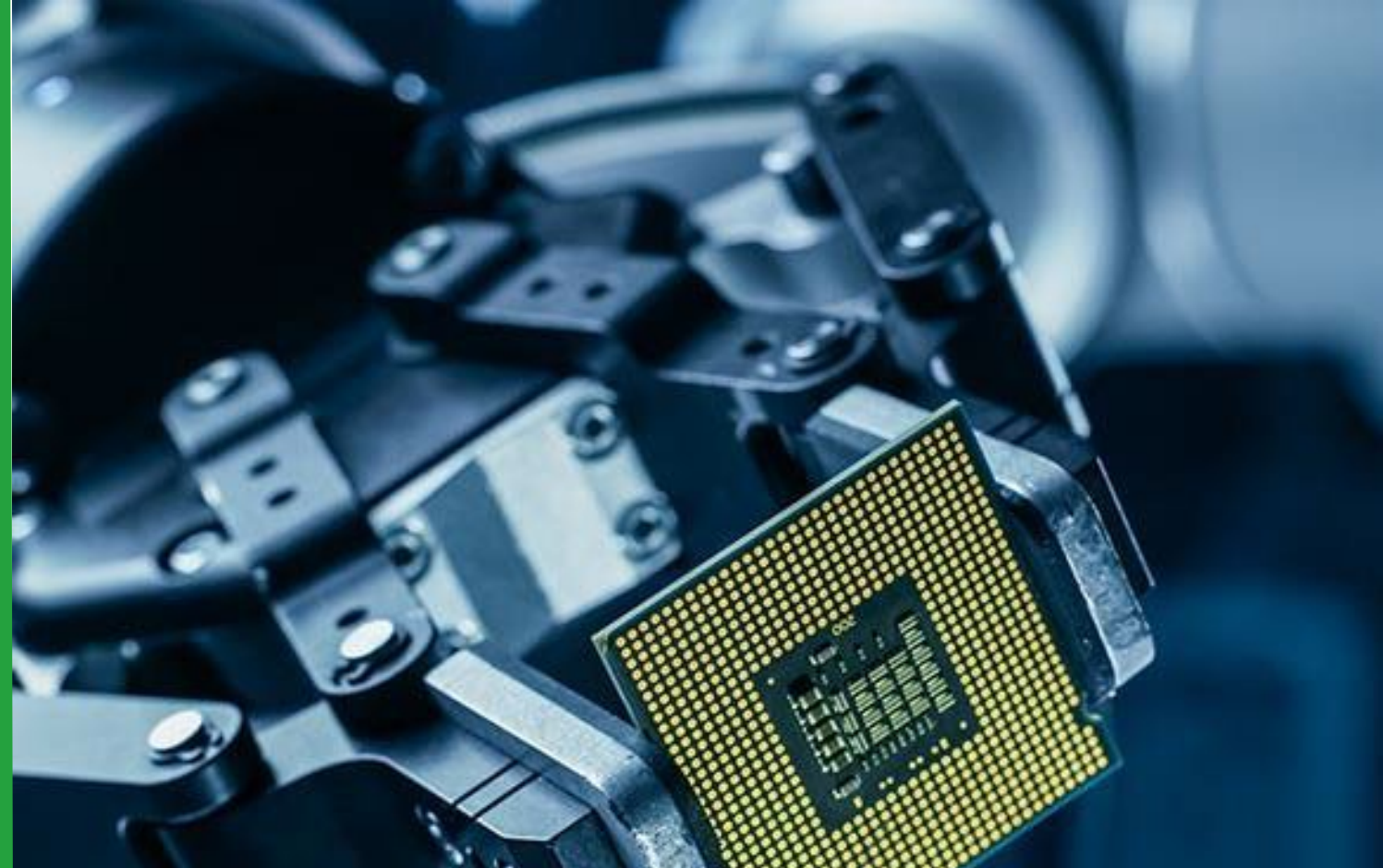
We are ready to design the future, **everyday.**

# 14. IO-LINK

Duplomatic MS is engaged in promoting **IO-Link** as digital communication protocol to enable the 4.0 revolution.

**Duplomatic IO-Link** is a challenge that goes beyond the development of a new range of hydraulic valves.

IO-Link is a universal communication technology capable of digitizing all devices used in a system, enabling the exchange of useful diagnostic information from remote components, without adding complexity.



Duplomatic actively supports and promotes the digital transformation introduced thanks to the 4.0 paradigm with new products and solutions.

## INDUSTRY 4.0

# 15. QUALITY MANAGEMENT SYSTEM

## QUALITY

### ISO 9001

Diplomatic Quality Management System aims at:

- creating a "quality culture"
- ensuring an ongoing control of the Quality Management System in order to reach the zero-defect threshold
- ensuring a suitable training aimed at supporting the quality obtained through staff trainings
- suggesting product updating and improvement
- monitoring customer satisfaction.

## ENVIRONMENT

### ISO 14001

Diplomatic supports the importance of protecting the environment and of spreading a culture of respect and responsible management of natural resources.

## HEALTH & SAFETY

### ISO 45001

Managing security means guaranteeing the safety of all our people. We do this through models of organization and risk management according to the ISO 45001 standards, which analyze the hazards and identify the necessary measures to avoid or reduce them.



# 16. TECHNOLOGY COMPETENCE



UNIVERSITIES

Strong cooperation with **Federico II University**, (Naples, Italy), **Bournemouth University** (UK), **Minneapolis University** (MN, USA), for curricular internships, degree thesis and post graduate experience.



IO-Link  
COMPETENCE  
CENTER

Diplomatic training and coaching for the development of IO-Link based products by companies. On the job training and audits to support companies in new Industry 4.0 projects.



DIPLOMATIC  
ACADEMY

Diplomatic Academy is dedicated to hydraulics & motion control professionals (internal staff and customers). Basic and advanced level. Classroom and online training.



*We build  
competences  
for motion  
solutions.*

*Roberto Maddalon, CEO*



**ACADEMY**  
**DIPLOMATIC**  
MOTION SOLUTIONS  
a member of **DAIKIN** group

**DIPLOMATIC**  
MOTION SOLUTIONS  
a member of **DAIKIN** group



# 17. OUR PEOPLE



“  
Coming together is  
a beginning.  
Keeping together is  
progress. Working  
together is success.  
”

*Henry Ford*



BE A MEMBER  
OF DAIKIN GROUP

Thanks for your attention

[www.diplomaticmotionsolutions.com](http://www.diplomaticmotionsolutions.com)

**CONTACT**

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