



# Diplomatic Group

Press Kit  
2023

Stand C08  
Hall 06



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## DIPLOMATIC MS – DAIKIN GROUP EXHIBITS AT HANNOVER MESSE 2023

Diplomatic Group, a motion solutions designer and manufacturer for industrial application and mobile operating machines, will be presenting its new products at the Hannover Messe, a leading meeting place for the industry, to be held in Hannover, Germany, from 17<sup>th</sup> to 21<sup>st</sup> April 2023 (stand C08 - Hall 6).

*Parabiago (Milan), Italy, March, 22<sup>nd</sup> 2023* - Diplomatic MS, a member of Daikin group, will be showing its innovative solutions at Hannover Messe 2023, the largest industrial fair in the world, which will take place from 17<sup>th</sup> to 21<sup>st</sup>, April 2023 (stand C08 - Hall 6) at the Hannover Exhibition Center, Germany.

At the venue, Diplomatic MS will present its advanced solutions for the industry, which stand out for their innovation, reliability, and sustainability. The company, thanks to recent integration into Daikin group, will show how its products can reduce environmental impact and increase energy efficiency.

Highlights will include advanced motion solutions such as power units featuring Daikin hybrid technology. These products are designed to reduce energy consumption and improve the efficiency of the production processes.

As part of the Daikin Group, Diplomatic MS is committed to implement Daikin Environmental Vision 2050. *“Our oil hydraulic equipment supports Environmental Vision 2050 by incorporating the best energy-saving technology to help factories reduce their power consumption and produce fewer emissions”* said Yuya Kimura, Diplomatic MS Vice President.

Diplomatic MS will be exhibiting on its stand:

- Daikin products, such as ECORICH and SUPER UNIT: hybrid hydraulic units, designed by combining hydraulic technology with an IPM (internal permanent magnet) motor. The result is a compact hydraulic power unit that achieves high torque and maximum efficiency while eliminating heat and noise generation
- Daikin cooling unit for machine tools application
- Micro hydraulics solutions, manufactured by Till Hydraulik, a member of Diplomatic group, located in Helmstedt, Germany
- Diplomatic MS products, such as electromechanical cylinders, proportional valves with integrated electronics (IO-Link), conventional valves, as well as GPA gear pumps designed for metal forming, metal cutting and injection applications
- Hydreco Hydraulics Geared motors, RD series, for industrial applications (belt conveyors, mixers...).

For journalists and visitors, it is possible to book a meeting at the booth with our team to know more about Diplomatic MS offer. More info available here: <https://diploomaticmotionsolutions.com/diploomatic-hannover-messe.html>

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**Diplomatic MS Spa**, a member of Daikin group – Headquarters in Parabiago (Milan) Italy, 162 million euros in turnover and over 650 employees as of 31.12.2022 – designs and manufactures hydraulic and electromechanical components and systems for motion control in various application sectors. The Group is active on the market through the following brands: Diplomatic Motion Solutions for industrial applications, Hydreco Hydraulics for mobile applications, Continental Hydraulics for North America and Till Hydraulik for the German market. The Group has production plants in the USA, Japan, China, India, Australia, Italy, Germany, Great Britain, and sales offices in different areas around the world. [www.diploomaticmotionsolutions.com](http://www.diploomaticmotionsolutions.com)

Press Info: [s.bernardelli@diploomatic.com](mailto:s.bernardelli@diploomatic.com)

**DIPLOMATIC MS – DAIKIN GROUP STELLT AUF DER HANNOVER MESSE 2023 AUS**  
Die Diplomatic Group, als Entwickler und Hersteller von Antriebslösungen für industrielle Anwendungen und mobile Arbeitsmaschinen, präsentiert seine neuen Produkte auf der Hannover Messe, einem führenden Branchentreffpunkt, der vom 17. bis 21. April 2023 in Hannover stattfindet (Stand C08 - Halle 6).

Parabiago, Mailand, Italien, 22. März 2023 - Diplomatic MS, ein Mitglied der Daikin-Gruppe, zeigt seine innovativen Lösungen auf der Hannover Messe 2023, der größten Industriemesse der Welt, die vom 17. bis 21. April 2023 (Stand C08 - Halle 6) auf dem Messegelände in Hannover stattfindet.

Auf der Messe wird Diplomatic MS seine fortschrittlichen Lösungen für die Industrie präsentieren, die sich durch Innovation, Zuverlässigkeit und Nachhaltigkeit auszeichnen. Dank der kürzlich erfolgten Integration in die japanische Daikin-Gruppe, zeigt unser Unternehmen wie seine Produkte die Umweltbelastung reduzieren und die Energieeffizienz steigern können.

Zu den Highlights zählen fortschrittliche Antriebslösungen mit Daikin-Hybridtechnologie. Diese Produkte sollen den Energieverbrauch senken und Produktionsprozesse effektiv verbessern.

Als Teil der Daikin-Gruppe hat sich Diplomatic MS verpflichtet, die Daikin Environmental Vision 2050 umzusetzen. *"Unsere ölhydraulischen Geräte unterstützen die Environmental Vision 2050, indem sie die beste energiesparende Technologie integrieren, um Fabriken dabei zu helfen, ihren Energieverbrauch zu senken und weniger Emissionen zu produzieren"*, sagte Yuya Kimura, Vice President von Diplomatic MS.

Diplomatic MS wird auf seinem Stand ausstellen:

- Daikin-Produkte wie ECORICH und SUPER UNIT: Hybrid-Hydraulikaggregate, die durch die Kombination von Hydrauliktechnologie mit einem IPM-Motor (interner Permanentmagnetmotor) entwickelt wurden. Das Ergebnis ist ein kompaktes Hydraulikaggregat, das ein hohes Drehmoment und einen maximalen Wirkungsgrad erreicht und gleichzeitig die Wärme- und Geräuschentwicklung minimiert.
- Daikin-Kühleinheit für Werkzeugmaschinen
- Mikrohydraulik-Lösungen, hergestellt von Till Hydraulik, einem Mitglied der Diplomatic-Gruppe, mit Sitz in Helmstedt, Deutschland
- Diplomatic MS-Produkte, wie elektromechanische Zylinder, Proportionalventile mit integrierter Elektronik (IO-Link), konventionelle Ventile sowie GPA-Zahnradpumpen für die Metallumformung, Metallzerspanung und Spritzgussanwendungen.
- Hydraulische Getriebemotoren von Hydreco für industrielle Anwendungen (Förderbänder, Mischer...)

Für Journalisten und Besucher ist es möglich, einen Termin am Stand mit unserem Team zu buchen, um mehr über das Angebot von Diplomatic MS zu erfahren. Weitere Informationen finden Sie hier: <https://diploomaticmotionsolutions.com/diploomatic-hannover-messe.html>

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Diplomatic MS Spa, ein Unternehmen der Daikin-Gruppe – Hauptsitz in Parabiago (Mailand), Italien, 162 Millionen Euro Umsatz und über 650 Mitarbeiter (Stand 31.12.2022) – entwickelt und fertigt hydraulische und elektromechanische Komponenten und Systeme für die Bewegungssteuerung in verschiedenen Anwendungsbereichen. Die Gruppe ist mit folgenden Marken am Markt aktiv: Diplomatic Motion Solutions für industrielle Anwendungen, Hydreco Hydraulics für mobile Anwendungen, Continental Hydraulics für Nordamerika und Till Hydraulik für den deutschen Markt. Die Gruppe verfügt über Produktionsstätten in den USA, Japan, China, Indien, Australien, Italien, Deutschland, Großbritannien und Vertriebsniederlassungen in verschiedenen Regionen der Welt. [www.diploomaticmotionsolutions.com](http://www.diploomaticmotionsolutions.com)  
Presseinfo: [s.bernardelli@diploomatic.com](mailto:s.bernardelli@diploomatic.com)

**DIPLOMATIC MS – DAIKIN GROUP ESPONE ALL'HANNOVER MESSE 2023**

Diplomatic Group, che progetta e produce soluzioni per il controllo del movimento per applicazioni industriali e macchine operatrici mobili, presenterà i nuovi prodotti all'Hannover Messe, il principale evento del settore industriale, che si terrà ad Hannover, in Germania, dal 17 al 21 aprile 2023 (stand C08 - padiglione 6).

Parabiago, Milano, 22 marzo 2023 - Diplomatic MS, parte del gruppo Daikin, presenterà le proprie soluzioni innovative ad Hannover Messe 2023, la più grande fiera industriale del mondo, che si terrà dal 17 al 21 aprile 2023 (stand C08 - padiglione 6) presso l'Hannover Exhibition Center, ad Hannover in Germania.

All'evento, Diplomatic MS presenterà le proprie soluzioni avanzate per l'industria, che si distinguono per innovazione, affidabilità e **sostenibilità**. L'azienda, grazie alla recente integrazione nel gruppo Daikin, mostrerà come i prodotti sviluppati possano ridurre l'impatto ambientale e aumentare l'efficienza energetica. I punti salienti dell'offerta in fiera includono soluzioni di movimento avanzate come le **unità di potenza con tecnologia ibrida Daikin**, che trovano applicazione negli impianti industriali. Questi prodotti sono progettati per ridurre i **consumi energetici** e migliorare l'**efficienza dei processi produttivi**.

Come parte del gruppo Daikin, Diplomatic MS è impegnata a implementare il programma Daikin Environmental Vision 2050. *"Le nostre apparecchiature oleodinamiche supportano l'Environmental Vision 2050 attraverso l'integrazione della migliore tecnologia di risparmio energetico per aiutare gli stabilimenti a ridurre il consumo elettrico e ridurre le emissioni"*, ha affermato Yuya Kimura, Vicepresidente Diplomatic MS.

Diplomatic MS esporrà allo stand:

- i **sistemi ibridi Daikin**, come le ECORICH e le SUPER UNIT: centraline oleodinamiche ibride, progettate combinando la tecnologia oleodinamica con un motore IPM a magnete permanente interno. Il risultato è un'unità di potenza compatta che raggiunge una coppia elevata e la massima efficienza eliminando la generazione di calore e rumore
- le **unità di raffreddamento del fluido Daikin** per macchine utensili
- le **soluzioni di microidraulica**, sviluppate da Till Hydraulik, parte del Gruppo Diplomatic, con sede a Helmstedt in Germania
- i **prodotti Diplomatic MS**, come i cilindri elettromeccanici, le valvole proporzionali con elettronica integrata (IO-Link), le valvole convenzionali, nonché le pompe a ingranaggi GPA progettate per applicazioni
- i **riduttori Hydreco Hydraulics**, serie RD, per applicazioni industriali.

Per i giornalisti e visitatori è possibile prenotare un incontro allo stand con il nostro team per conoscere meglio l'offerta Diplomatic MS. Maggiori informazioni disponibili qui: <https://duplomaticmotionsolutions.com/diplomatic-hannover-messe.html>

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**Diplomatic MS Spa**, società del gruppo Daikin – Headquarter a Parabiago (Milano), 162 milioni di euro di fatturato e oltre 650 dipendenti al 31.12.2022 – progetta e produce componenti e sistemi oleodinamici ed elettromeccanici per il controllo del movimento in vari settori applicativi. Il Gruppo è presente sul mercato attraverso i seguenti marchi: Diplomatic Motion Solutions per applicazioni industriali, Hydreco Hydraulics per applicazioni mobili, Continental Hydraulics per il Nord America e Till Hydraulik per il mercato tedesco. Il Gruppo ha stabilimenti produttivi in USA, Giappone, Cina, India, Australia, Italia, Germania, Gran Bretagna e uffici commerciali in diverse aree del mondo. [www.duplomaticmotionsolutions.com](http://www.duplomaticmotionsolutions.com)  
**Contatti Stampa:** [s.bernardelli@duplomatic.com](mailto:s.bernardelli@duplomatic.com)

## PRODUCT INFORMATION

### DUPLOMATIC MS - DAIKIN EHU – ECORICH HYBRID HYDRAULIC POWER UNIT

#### High energy-saving performance:

- The highly efficient IPM motor surpasses IE4 class to reduce power consumption by up to 65% compared to a conventional hydraulic unit.

#### Restricted oil temperature rise:

- Suppressing the oil temperature reduces the thermal distortion on the machine, improves the environment at the machine site, prevents degradation of hydraulic oil and extends the oil replacement interval.

#### Space-saving design:

- A more compact and lightweight unit offers easier installation. All models offer a 9% reduced footprint. The EHU1404/2504 model offers a 40% mass reduction compared to a conventional hybrid unit.



**Press info:** Sara Bernardelli  
[communications@duplomatic.com](mailto:communications@duplomatic.com)



The world first hybrid hydraulic system that combines hydraulics technology and Daikin motor/inverter technology.

Applications: industrial stationary equipment

It complies with regulations.

All models comply with CE standards.

### FEATURES

- ✓ Tank: 45 l / tankless
- ✓ Max Pressure: 70/135 bar
- ✓ Max Flow Rate: 28,5 l/min 15 l/min

**ON SHOW AT  
STAND C08 – HALL 06**



## PRODUCT INFORMATION

### DUPLOMATIC MS - DAIKIN SUPER UNIT

#### High energy-saving performance:

- Daikin's original high-efficiency IPM motors with inverter technology provides up to 50% increase in energy-savings compared to a conventional hydraulic unit.
- Double-pump specification switches pumps to output the optimum pressure and flow rate for the required operation, further saving energy.

#### Low operational noise:

- The double pump feature helps the SUPER UNITS to achieve an operational noise level of 60 dB(A) (when the pressure is at 210 bar, and less than 73 dB(A) in the operating area).



**Press info:** Sara Bernardelli  
communications@duplomatic.com

#### DUPLOMATIC MS Spa

via Mario Re Depaolini, 24  
20015 Parabiago (MI) – Italia  
T. + 39 0331 895 111

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



The advanced SUPER UNIT offers several different features to achieve higher performance and energy savings.

Pressure and flow rate can be controlled continuously at the desired values automatically or by command from PLC.

Applications: industrial stationary equipment

It complies with regulations.

All models comply with CE standards.

#### FEATURES

- ✓ Tank: 100 l / Tankless
- ✓ Max Pressure: 160 / 210 bar
- ✓ Max Flow Rate: 80 l/min

**ON SHOW AT  
STAND C08 – HALL 06**



## PRODUCT INFORMATION

### DUPLOMATIC MS - DAIKIN AKW INVERTER CONTROLLED WATER CHILLER

#### High-accuracy oil temperature control:

A non-inverter cooling unit can't change the revolutions of a compressor, only the on/off function. A Daikin Fluid cooling units uses an inverter technology to control revolutions directly to the compressor and a pulse control of expansion valve base on heat generation load, leading to more precise liquid temperature and increase energy savings.

#### High-accuracy liquid temperature control:

During the metalworking process, a machine will generate lots of heat and liquid temperature will increase. Daikin Fluid cooling unit uses inverter technology to accurate control liquid temperature and help a machine perform at its best.

#### Predictive maintenance:

Built-in warning system reminds you the maintenance timing for air filter, condenser etc, which prevents sudden stop and reduce down time.



**Press info:** Sara Bernardelli  
[communications@duplomatic.com](mailto:communications@duplomatic.com)



#### Various cooling methods:

Engineers can adapt Daikin Fluid cooling unit to match their machine preferences, including:

- The target control (inlet, outlet, return)
- Temperature control (fixed setting, ambient, machine body)
- Nine different operation mode patterns.

These adaptable functions ensure the fluid cooling unit provides the correct temperature control for every machine.

Applications: industrial stationary equipment

It complies with regulations.  
All models comply with CE standards.

**ON SHOW AT  
STAND C08 – HALL 06**





## PRODUCT INFORMATION

### DUPLOMATIC MS - DAIKIN AKW IoT/COMMUNICATION

#### Helping factories get ahead with IoT

Apparently factories are running smoothly and efficiently, but behind the scenes there are many redundancies and inefficiencies that can bring down productivity. Daikin aims to solve these issues by offering IoT-connected hybrid systems.

#### How IoT optimises hybrid systems

Process like periodic inspections or changing filters are essential to keep units running at an optimal level. But these processes can be very demanding and waste time and money. Daikin hybrid systems aim to improve these processes with IoT-enabled solutions. With these optimal systems, workers get important operating data to see when a unit requires inspection and diagnose issues before they happen.

#### Perform maintenance checks and update settings

With a host device users can read diagnostics and edit parameters to reduce downtime and ensure the smooth operation of their units.

Operations have access to status updates and write parameter settings for hydraulic and cooling units.



#### Advantages for factory workers

- **Machine manufacturers**

The operating data maintenance timing and procedures can be displayed on the operation screen to help reduce the machine failure rate, and the working hours spent on inspections.

- **Machine users**

The operating data maintenance timing and procedures can be displayed on the PC in the maintenance room, reducing the hours spent on inspections.

It complies with regulations.

All models comply with CE standards.

## PRODUCT INFORMATION

### DUPLOMATIC MS - DAIKIN CORE TECHNOLOGY

#### Oil Hydraulic & Cooling Control

- Refrigerant system design
- Structural design
- High accuracy temperature control
- Maintenance free condenser

#### Robust control

- High accuracy pressure
- Flow rate control
- Flow rates switching
- Adjustments free – self learning

#### System Control

- Predictive maintenance – failure diagnosis
- Hydraulic circuit design, circuit design technology including valves.

#### Oil Hydraulic Devices

##### Pump design

- Hydrostatic bearing
- Architectural analysis
- Noise reduction
- Surface preparation

##### Valve design

- Fluid analysis
- Temperature correction

**Press info:** Sara Bernardelli  
[communications@duplomatic.com](mailto:communications@duplomatic.com)



**DAIKIN's comprehensive strength  
contributes to energy saving**

**ON SHOW AT  
STAND C08 – HALL 06**



## PRODUCT INFORMATION

### DUPLOMATIC MS - DAIKIN CORE TECHNOLOGY

#### Motor & Inverter

##### Motor and inverter design

- High capacity / heat loss
- Complying with regulations

##### Sensorless motor

- Highly responsive
- Low speed control / reverse rotation

##### Failure prognosis for compressor

**Oil  
Hydraulics  
&  
Cooling  
Control**

**System  
Control**



**Oil  
Hydraulics  
Devices**

**Motor &  
Inverter**



**DAIKIN's comprehensive strength  
contributes to energy saving**

**ON SHOW AT  
STAND C08 – HALL 06**

  
**HANNOVER  
MESSE**





## DIPLOMATiC MS GROUP AT A GLANCE

The **Diplomatic Group** is a global engineering and technology organization, specialized in the design and production of components and products for hydraulics, mechatronics and electromechanics (valves, pumps, hydraulic cylinders, microhydraulics, electric actuators ...), as well as advanced systems for motion control.

The **solutions** of the Diplomatic Group find application in every industrial and mobile sector and are developed for the main world manufacturers of operating machines, even with customization needs, for system integrators and distributors.

**From July 1st, 2022, Diplomatic Group is part of Daikin Industries Ltd.**

## BRANDS

 <p>a member of <b>DAIKIN</b> group</p> <p><b>Diplomatic</b> Industrial applications</p>	 <p>a member of <b>DAIKIN</b> group</p> <p><b>Hydreco Hydraulics</b> Mobile applications</p>
 <p>a member of <b>DAIKIN</b> group</p> <p><b>Continental Hydraulics</b> Industrial applications for North America</p>	 <p>a member of <b>DAIKIN</b> group</p> <p><b>Till Hydraulik</b> Mobile applications for the German market</p>



### REVENUES

**162Ml €**

Group full year



### WORKFORCE

**+650**



### HEADQUARTER

**Italy**

Parabiago (MI)



### TURNOVER BY GEOGRAPHIC AREA

**72%** Europe

**15%** Asia Pacific

**13%** America



### CUSTOMERS

**+5,000**

Between distributors, system integrators and OEMs



### FACTORIES

**15** all over the world



## COMPANIES

- ✔ **Hydreco Hydraulics** - Headquarter in Poole (UK) and sites spread in Italy, Germany, Norway, USA, India and Australia – Motion control solutions for mobile applications
- ✔ **Continental Hydraulics** - Shakopee, MN (USA) – Motion control solutions for North America
- ✔ **Till Hydraulik** - Helmstedt (Germany) – for the German market
- ✔ **Diplomatic Hydraulics Shanghai** - Shanghai (China) – Production of valves for the Asian area
- ✔ **Diplomatic Middle East** – Dubai (UAE) – for the project EXPO 2020 Dubai project and other special projects

## BUSINESS UNITS

Within Diplomatic MS, next to the Headquarters in Parabiago (Milan - IT) – where valves are designed and manufactured - operate:

- ✔ The **BU Hydraulic Systems** - Lainate (Milan -IT) and Padova (IT) – for the production of complex systems
- ✔ The **BU Turnkey Projects** - Parabiago (Milan - IT) – for special and innovative turnkey projects
- ✔ The **BU Mechatronics**, with sites in Sulbiate (Monza Brianza – IT) for the development and production of electronic products focused on 4.0 Industry, and Rosta (Turin - IT) for the development and production of electric actuators

**Press info:** Sara Bernardelli  
communications@diplomatic.com

## SMART MANUFACTURING

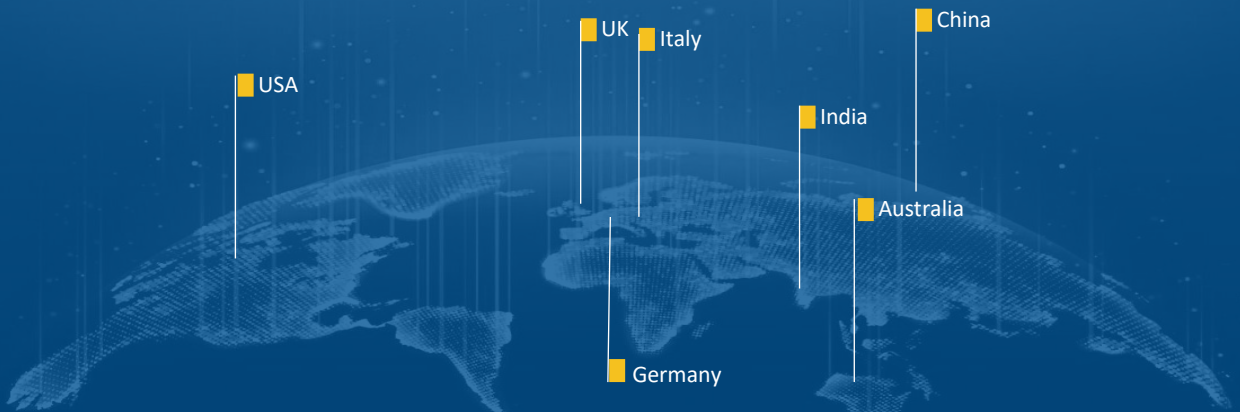
Diplomatic has structured its production in order to directly control all the steps, both in the Italian sites and abroad.

The production sites are organized according to the same standards and strategically relocated to quickly serve the various international markets.

Furthermore, all production sites are organized according to Lean Manufacturing processes to guarantee a competitive and quality service to Italian and international customers.



## 15 PRODUCTION SITES AND COMMERCIAL OFFICES AROUND THE WORLD



## DIPLOMATIC MS GROUP HISTORY

**1860**

### DAVID BROWN

David Brown is born in Great Britain.

**1952**

### DIPLOMATIC

Diplomatic was founded for the production of hydraulic copiers, components and systems.

**1962**

### CONTINENTAL HYDRAULICS

The Continental Hydraulics division is established in Minneapolis (MN), USA, for the supply of hydraulic components and systems.

### TILL HYDRAULIK

Till Hydraulik was founded in Germany for the supply of hydraulic components for agriculture.

**1993**

### DAVID BROWN HYDRAULICS

David Brown Group acquires Hamworthy Hydraulics to form David Brown Hydraulics.

**2008**

### NEW BUSINESS SCENARIOS

With the death of the founder, Diplomatic enters the era of investment funds.

**2011**

### CONTINENTAL HYDRAULICS

Continental Hydraulics is acquired.

**2017**

### DIPLOMATIC MS

New business name of the company, in line with the strategy of developing technological solutions for motion control.

The **Diplomatic Group** - Headquarters in Parabiago (Milan - IT), with a turnover of 162 million euros and over 650 employees at 31.12.2022 - designs and manufactures technological solutions for motion control in various sectors. It is present on the market with four brands: **Diplomatic Motion Solutions** for industrial applications, **Hydreco** for mobile applications, **Continental Hydraulics** for North America and **Till Hydraulik** for the German market. The Group is present internationally, with its own production plants in the USA, China, India, Australia, Italy, Germany, Great Britain and sales offices in various areas around the world.

**2019**

### HYDRECO

Hydreco (advanced hydraulic solutions for mobile applications), born in 2013 from the rebranding of David Brown Hydraulics, joins the Diplomatic Group.

**2021**

### EXPO 2020

Diplomatic creates the hydraulic system for opening the United Arab Emirates pavilion, designed by architect Santiago Calatrava.

### TILL HYDRAULIK


The German company Till Hydraulik, which produces hydraulics for the industrial and mobile sector, is acquired.

**2022**

### 70TH ANNIVERSARY

Diplomatic celebrates 70 years of activity.

### 60TH ANNIVERSARY

 Continental Hydraulics celebrates 60 years of business.



Till Hydraulik celebrates 60 years of history.

### DAIKIN

Acquisition of Diplomatic MS Spa by Daikin.


## DUPLOMATIC MS AT A GLANCE


Since **1952** experts in hydraulics and motion control solutions.


Duplomatic MS is an innovative company capable of proposing **engineering solutions for motion control**, automation and components for industrial applications.

Thanks to being a member of Daikin Group, Duplomatic makes its contribution to sustainability through energy-saving and hybrid hydraulic solutions.

The headquarter is in Parabiago (Milan, IT), where the valves are designed and produced, alongside the:

 **Business Unit Hydraulic Systems** of Lainate (Milan, IT) and Padova for the production of complex systems

 **Business Unit Turnkey Projects** of Parabiago (Milan, IT) for special and innovative turnkey projects

 **Business Unit Mechatronics**, sites in Sulbiate (Monza Brianza, IT) for the development and manufacture of electronic products focus on 4.0 Industry and Rosta (Turin) for the development and production of electric actuators



**REVENUES**  
**59 MI €**



**WORKFORCE**  
**+200**  
Parabiago, Lainate,  
Padova, Sulbiate, Rosta



**FOUNDATION YEAR**  
**1952**



**HEADQUARTERS**  
Parabiago (Milan-IT)  
**8,200 sqm**

Data as of 31-12-2022

From 2020 Duplomatic MS is the only Italian company certified **Competence Center IO-Link**.

Duplomatic MS is also the **holding company** of the Duplomatic group which includes **Hydreco Hydraulics**, **Continental Hydraulics** and **Till Hydraulik**.



## BUSINESS AREAS

Duplomatic is organized in synergistic but distinct business areas.

It makes its **expertise** available to **develop innovative solutions**, through a multidisciplinary approach, oriented towards the customer and his technical needs.

It offers a wide range of hydraulic and electronic components, also with IO-Link, of electric actuators for industrial applications and Industry 4.0 to companies and OEMs and realizes complex systems and turnkey projects, guaranteeing them to be able to count on a **single qualified interlocutor**.

### Industrial applications

INDUSTRIAL MACHINERY  
LUBRIFICATION  
MARINE  
MEDICAL TECHNOLOGY  
OIL&GAS  
POWER GENERATION  
RAILWAY  
TEST RIGS  
TURNKEY PROJECTS



### ✓ COMPONENTS

Pumps, motors, on / off valves, explosion-proof products, hydraulic cylinders, proportional valves, electronic boards, electric actuators, accessories

### ✓ SYSTEMS

Design, production and testing of power plants, manifolds, cabinets and complex applications for industrial automation

### ✓ MECHATRONICS

Custom mechatronic solutions for industrial automation and motion management for Industry 4.0

### ✓ MICROHYDRAULICS

Technological solutions for the medical sector

### ✓ TURNKEY PROJECTS

From engineering, to construction, from materials management, installation, testing and commissioning, to maintenance

**Press info:** Sara Bernardelli  
communications@duplomatic.com





## HYDRECO HYDRAULICS AT A GLANCE

**Hydreco Hydraulics** – a member of the Duplomatic Group – now part of Daikin Industries, is the designer, manufacturer and distributor of products servicing the transport and mobile hydraulics sector. Hydreco has a combined history of 100+ years in developing solutions through a rich heritage of legacy companies.

The joining of David Brown Hydraulics, Powauto and Hydreco in 1997 brought together some of the most respected products, people and heritage brands in the business. Engineering excellence is at the core of Hydreco's organization, the product range is geared towards offering the best possible solution for many more.

### Advanced Hydraulics Technologies

Hydreco hydraulics has an extensive range of low noise helical gear, aluminium and cast iron gear pumps, as well as standard spur gear models. Its valve range covers the complete portfolio of Duplomatic Motion Solutions products, multi-spool sectional and monoblock models with electro-hydraulic, hydraulic and lever control and manifold system solutions.

Dual axis, stackable and single axis hydraulic pilot valves are also available with an extensive range of handle options, including ergonomic handles with many switches and button options. Hydreco is also capable to produce tailor made hydraulic cylinders, for the complete control of mobile vehicles.



**REVENUES**  
**33 MI €**



**WORKFORCE**  
**+130**  
UK, Italy, Germany, Norway,  
India, Australia



**FOUNDATION YEAR**  
**1860**



**HEADQUARTERS**  
Poole (UK)  
**1,900 sqm**

Data as of 31-12-2022

## TILL HYDRAULIK AT A GLANCE

**Till Hydraulik** – a member of the Duplomatic Group – now part of Daikin Industries, has more than 60 year history in mobile hydraulics.

Based in Helmstedt, Germany, they develop the most efficient products, innovative components, and sophisticated system solutions to cover everything from the prototype to readiness for series production to servicing throughout the entire working life.

The company assigns great importance to excellent training and involvement of their employees.

### Product range

Till Hydraulik is the specialist for the implementation of special requirements in small and large series. Our hydraulics solutions can be found in applications for medical technology, agriculture, construction machinery, work platforms and much more.

They are also able to apply their experience to special requirements, such as the hydraulic rear wing adjustment of a sport car.

The portfolio includes:

- Cylinders
- Valves/Controls
- Microhydraulics
- Manual Compact Drives
- Systems
- Service & Spare Parts



**REVENUES**  
**34 MI €**



**WORKFORCE**  
**+200**

Helmstedt, Niedersachsen



**FOUNDATION YEAR**  
**1962**



**HEADQUARTERS**  
Helmstedt (Ger)  
**17,000 sqm**

Data as of 31-12-2022



## DUPLOMATIC MS HISTORY

**1952**

### BIRTH OF DUPLOMATIC

Founded in Busto Arsizio (Varese, IT) by entrepreneur Angelo Girola, for the development of an innovative device for the automation of machine tools: the hydraulic copier.

**1960**

### START OF THE PRODUCTION OF HYDRAULIC COMPONENTS

The company begins producing hydraulic components and systems.

**1978**

### HYDRAULIC INNOVATION

The company begins to produce and market proportional valves and servocylinders.

**1991**

### LAUNCH OF THE HYDRAULIC SYSTEMS BU

Dedicated to the development of complex systems for industry, energy, steel industry.

**1997**

### FOUNDATION OF DUPLOMATIC HYDRAULICS

Company completely dedicated to the supply of hydraulic solutions.

**Duplomatic MS** - 59 million of turnover and over 200 employees - is an innovative company in the market for technological solutions for motion control, automation and components for industrial applications.

The headquarters are in Parabiago (Milan, IT), where **valves** are designed and manufactured, alongside the **Hydraulic Systems** Business Unit of Lainate (Milan, IT) and Padua (IT) for the construction of **complex systems**, the Business Unit **Turnkey Projects** of Parabiago (Milan, IT) for **special and innovative turnkey projects** and the **Mechatronics** Business Unit, with offices in Sulbiate (Monza Brianza – IT) for the development and production of **electronic products** with a focus to Industry 4.0 and Rosta (Turin, IT) for the development and production of **electric actuators**.

From 2020 Duplomatic MS is the only Italian company certified **IO-Link Competence Center**.

From July 1st, 2022, Duplomatic MS is part of Daikin Industries Ltd.

**2008**

**NEW BUSINESS SCENARIOS**

After the death of the founder, Diplomatic enters the era of investment funds.

**2010**

**INAUGURATION OF THE NEW PLANT IN PARABIAGO (MILAN, IT)**

The new production and management HQ built to support new growth strategies.

**2015**

**FOUNDATION OF DUPLOMATIC HYDRAULICS SHANGHAI**

Diplomatic production site to serve the Chinese market.

**2019**

**INAUGURATION OF THE SITE IN LAINATE (MILAN, IT)**

Dedicated to the development and production of custom-made hydraulic systems.

**2019**

**FOUNDATION OF DUPLOMATIC MIDDLE EAST (DUBAI, UAE)**

To manage the UAE pavilion project at EXPO 2020.

**2020**

**CREATION OF BU MECHATRONICS AND BU TURNKEY PROJECTS**

With a view to offer custom made turnkey projects in multiple industries.

**CERTIFICATION COMPETENCE CENTER IO-LINK**

Expertise gained to develop solutions for Industry 4.0.

**2021**

**EXPO DUBAI**

Diplomatic creates the hydraulic system for opening and covering the United Arab Emirates pavilion, designed by architect Santiago Calatrava.

**BU HYDRAULIC SYSTEMS**

Thanks to the incorporation of Tecnologie Industriali Srl, Diplomatic's Hydraulic Systems BU becomes one of the main Italian players in the design and construction of custom-made plants, with two production sites, in Lainate (Milan, IT) and Padua (IT).

**2022**



**70TH ANNIVERSARY**

Diplomatic celebrates 70 years of activity  
**DAIKIN**

From July 1st, 2022, Diplomatic MS is part of Daikin Industries Ltd.

## IO-LINK COMPETENCE CENTER

In 2020 the standard of internal competence on the IO-Link protocol and its application areas has reached a high level, for which Duplomatic MS has obtained the **certification** as **IO-Link Competence Center** (IOL-CCs).

The **Competence Centers**, certified by the IO-Link Community, are centers of excellence that offer technical support for the development of IO-Link devices and systems, certification tests and dedicated training courses.

**The strategy** was clearly defined by the CEO of Duplomatic MS, Roberto Maddalon: "In the face of globalization of manufacturing production, we must increasingly compete internationally, in markets now driven by the Industry 4.0 approach, which also requires a concrete knowledge of communication protocols. For this reason, we were among the first to invest in IO-Link. "







**Press info:** Sara Bernardelli  
[communications@duplomatic.com](mailto:communications@duplomatic.com)

## **IO-Link**

IO-Link is a digital communication protocol that allows the bidirectional transfer of information to and from the devices of a machine or process, standardizing the exchange of data and allowing the acquisition of additional information, such as diagnostic ones, useful for management purposes of the system

### BENEFITS

-  Cleaner signals
-  More data from the systems
-  Quick and easy installation even on existing systems
-  Reduction of installation and maintenance times and costs

