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DUPLOMATIC GROUP designs and manufactures technology solutions for motion control in multiple sectors.

3 BRANDS

- Duplomatic for industrial applications
- Hydreco Hydraulics for mobile applications
- Continental Hydraulics for industrial applications in North America
2. AT A GLANCE

HIGHLIGHTS at 31.12.2020

- **Headquarter**: Parabiago (Milan, Italy)
- **12**: plants worldwide
- **450 +**: employees
- **4,500 +**: customers
- **96 Mln €**: group consolidated turnover

Turnover by geographic area:
- **Europe**: 63%
- **Asia Pacific**: 21%
- **America**: 16%
Continental Hydraulics

**LOCATION**
Shakopee (MN, USA)
10,500 square meters

**FOUNDATION**
1962

**TURNOVER**
15 Mln USD

**EMPLOYEES**
61

**ACQUISITION**
2011

**PRODUCTS**
Pumps, valves, systems

**SECTORS**
Industrial applications

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Hydreco Hydraulics

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

**FOUNDATION**
1960

**TURNOVER**
39 Mln €

**EMPLOYEES**
180

**ACQUISITION**
2019

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

**SECTORS**
Mobile applications

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Hydreco Hydraulics Italia Srl

**LOCATION**
Vignola (MO), Parma (Italy)
2,800 sqm

**EMPLOYEES**
24

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

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Hydreco Hydraulics India Ltd

**LOCATION**
Bangalore, India
900 sqm

**EMPLOYEES**
23

**PRODUCTS**
Gear pumps

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Hydreco Hydraulics Norway A/S

**LOCATION**
Nittedal, Norway

**EMPLOYEES**
5

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Hydreco Hydraulics Pty Ltd

**LOCATIONS**
Seven Hills (NSW, Australia)
Welshpool (WA, Australia)

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

**EMPLOYEES**
30

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Hydreco Hydraulics GmbH

**LOCATION**
Straelen (NRW, Germany)

**EMPLOYEES**
4

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Poole HQ – 36 employees
our journey to date

1860
DAVID BROWN
David Brown was established.

1860
CONTINENTAL MACHINES
Continental opens in Minneapolis (MN), USA.

1928
DUPLOMATIC
Duplomatic was founded for the production of hydraulic copying units, components and systems.

1952
DUPLOMATIC MS
New company name highlighting the commitment to develop technical motion solutions.

1962
CONTINENTAL HYDRAULICS
Continental Hydraulics Division was established, for the supply of hydraulic components and systems.

1962
DAVID BROWN HYDRAULICS
David Brown Group acquires Hamworthy Hydraulics to form David Brown Hydraulics.

1993
HYDRECO
Hydreco established from the rebranding of David Brown Hydraulics.

2017
2013
6. MERGE & ACQUISITIONS

2011 - Acquisition of Continental Hydraulics in the USA

2014 - Acquisition of Hidrux (system integrator)

2015 - Acquisition of OCS (hydraulic cylinders for mobile applications)

2016 - Acquisition of EuroSEI (mechatronic systems)

2017 - Acquisition of Tecnologie Industriali (system integrator)

2019 - Acquisition of Hydresco Hydraulics (mobile hydraulics)
7. PRODUCT RANGES

VALVES
HYDRAULIC CYLINDERS
ELECTRIC ACTUATORS
PUMPS
REMOTE CONTROLS
POWER TAKE OFFS
SYSTEMS
TURNKEY PROJECTS
INDUSTRIAL MACHINERY
LUBRICATION
MARINE
OIL&GAS
POWER GENERATION
RAILWAY
TESTING
TURNKEY
9. APPLICATIONS

mobile

AGRICULTURE
CONSTRUCTION
EARTH MOVING
FORESTRY
MATERIAL HANDLING
MINING
MUNICIPAL
TRANSPORT
10. GLOBAL PRESENCE: 12 PRODUCTION PLANTS

<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shakopee, MN</td>
<td>Continental Hydraulics R&amp;D for pumps &amp; manufacturing of hydraulic products</td>
</tr>
<tr>
<td>Poole</td>
<td>Hydreco R&amp;D and production of defence products; warehouse for gear pumps</td>
</tr>
<tr>
<td>Parabiago</td>
<td>Duplomatic Motion Solutions R&amp;D for valves &amp; cylinders and production of other hydraulic products</td>
</tr>
<tr>
<td>Lainate</td>
<td>Duplomatic Motion Solutions Design, assembling and testing of hydraulic systems</td>
</tr>
<tr>
<td>Padova</td>
<td>Duplomatic Motion Solutions Design, assembling and testing of hydraulic systems</td>
</tr>
<tr>
<td>Vignola (MO)</td>
<td>Hydreco Manufacturing of electric actuators</td>
</tr>
<tr>
<td>Rosta (TO)</td>
<td>Duplomatic Motion Solutions R&amp;D and manufacturing of pilot valves and pumps</td>
</tr>
<tr>
<td>San Cesario (MO)</td>
<td>Hydreco R&amp;D and production of hydraulic cylinders</td>
</tr>
<tr>
<td>Parma</td>
<td>Hydreco Manufacturing of pumps</td>
</tr>
<tr>
<td>Bangalore</td>
<td>Hydreco R&amp;D and manufacturing of gear pumps</td>
</tr>
<tr>
<td>Seven Hills</td>
<td>Hydreco R&amp;D for PTOs &amp; on-road products; warehouse for gear pumps and other hydraulic products</td>
</tr>
<tr>
<td>Shanghai</td>
<td>Duplomatic Hydraulics Assembling &amp; testing of solenoid valves</td>
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<tr>
<td>Poole</td>
<td>Hydreco R&amp;D and production of defence products; warehouse for gear pumps</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>employees</th>
<th>127</th>
<th>31</th>
<th>26</th>
<th>9</th>
<th>20</th>
<th>4</th>
<th>58</th>
<th>23</th>
<th>30</th>
<th>9</th>
<th>36</th>
<th>61</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total space</td>
<td>8,200 sqm</td>
<td>3,050 sqm</td>
<td>2,906 m²</td>
<td>1,200 sqm</td>
<td>1,900 sqm</td>
<td>900 sqm</td>
<td>4,426 sqm</td>
<td>920 sqm</td>
<td>1,725 sqm</td>
<td>1,500 sqm</td>
<td>1,915 sqm</td>
<td>10,591 sqm</td>
</tr>
</tbody>
</table>
11. 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.

Photos by: Barbara Burg + Oliver Schuh, www.palladium.de
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.
13. IO-Link

Duplomatic is the first Italian IO-Link certified COMPETENCE CENTER.

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.
14. Quality Management System

**QUALITY**

ISO 9001

Duplomatic 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

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

Duplomatic 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.

Duplomatic Academy is dedicated to hydraulics professionals (internal staff and customers). Basic and advanced level. Classroom and online training.

We build competences for motion solutions.

Roberto Maddalon, CEO
Coming together is a beginning. Keeping together is progress. Working together is success.

Henry Ford
MOTION will keep us TOGETHER
Thanks for your attention

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