

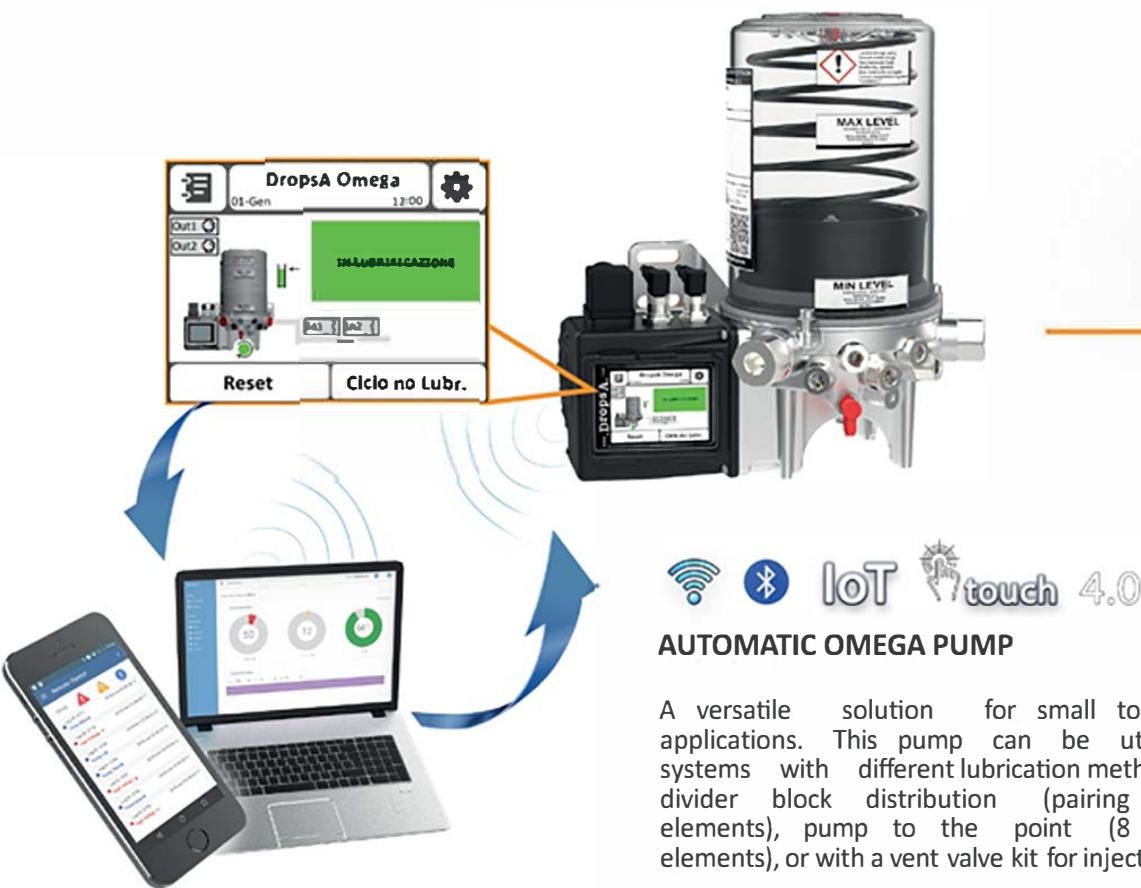
MINING AND CONSTRUCTION





BRAVO PUMP

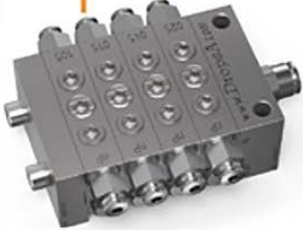
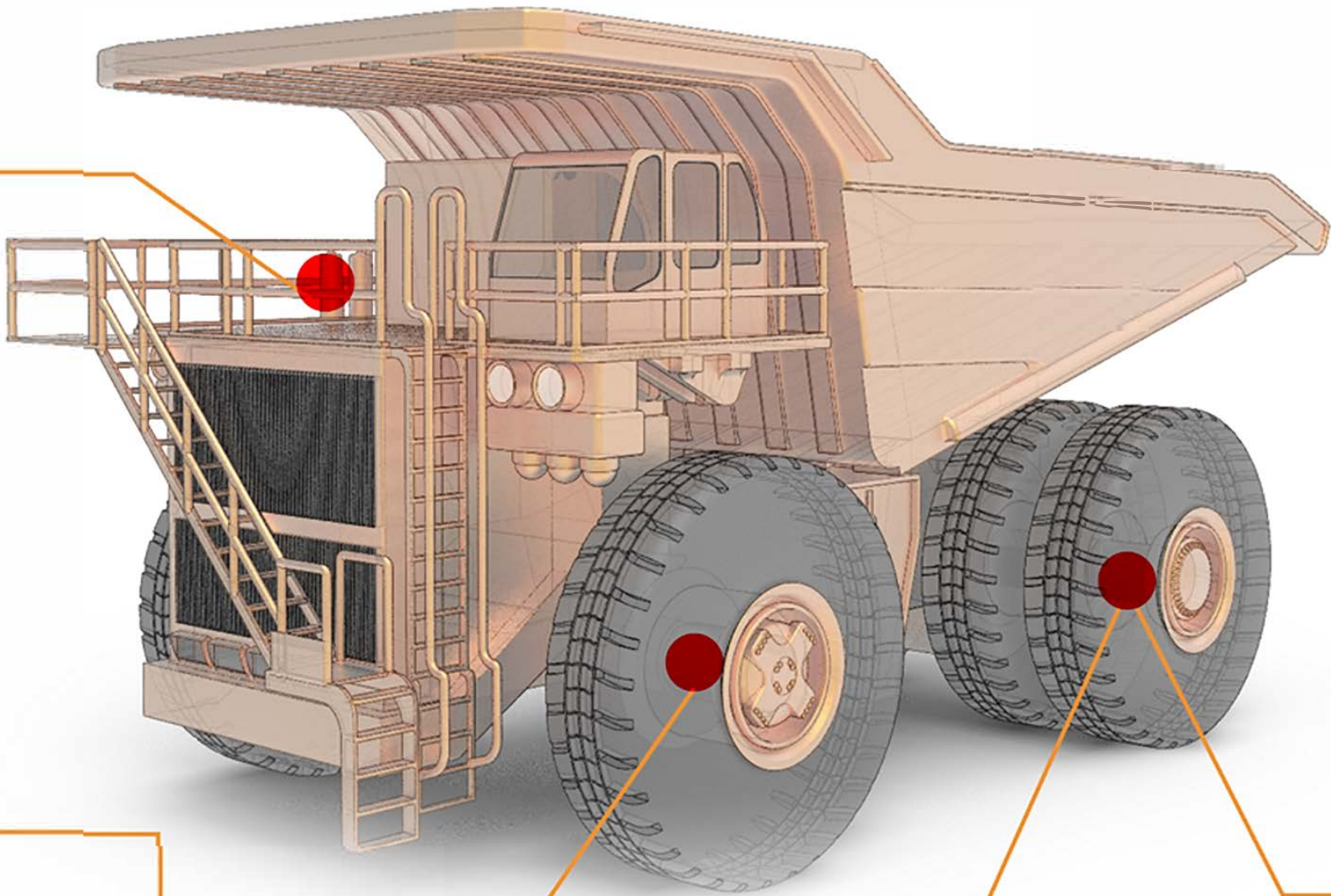
Electric pump designed to work with up to three pumping elements, with or without internal by-pass. Designed to work with progressive dividers, this pump can feed several independent lines. Combining the pumping outputs will increase the generated flow up to a factor of three. This pump is available in two versions: manual (controlled by external PLC) or automatic with dedicated, internal control system.



Wi-Fi Bluetooth IoT touch 4.0

AUTOMATIC OMEGA PUMP

A versatile solution for small to medium sized applications. This pump can be utilized to feed systems with different lubrication methods, from divider block distribution (pairing of pumping elements), pump to the point (8 mini pumping elements), or with a vent valve kit for injection systems.



NP DIVIDER

DropsA's nano-Progressive (nP) dividers, are the ideal solution for oil and grease lubrication applications that require a minimum, but precise, dose of lubricant in reduced spaces, a benefit of their compact and solid design. Through the progressive movement of paired pistons with micro-metric play inside the sliding chamber, elements are able to distribute the incoming flow rate in very precise quantities, to the various available outlets. Thanks to a new press-fit mechanism between the elements, RigidLock, nano-Progressive (nP) has the rigidity of a single-block divider but the flexibility of a modular single unit.

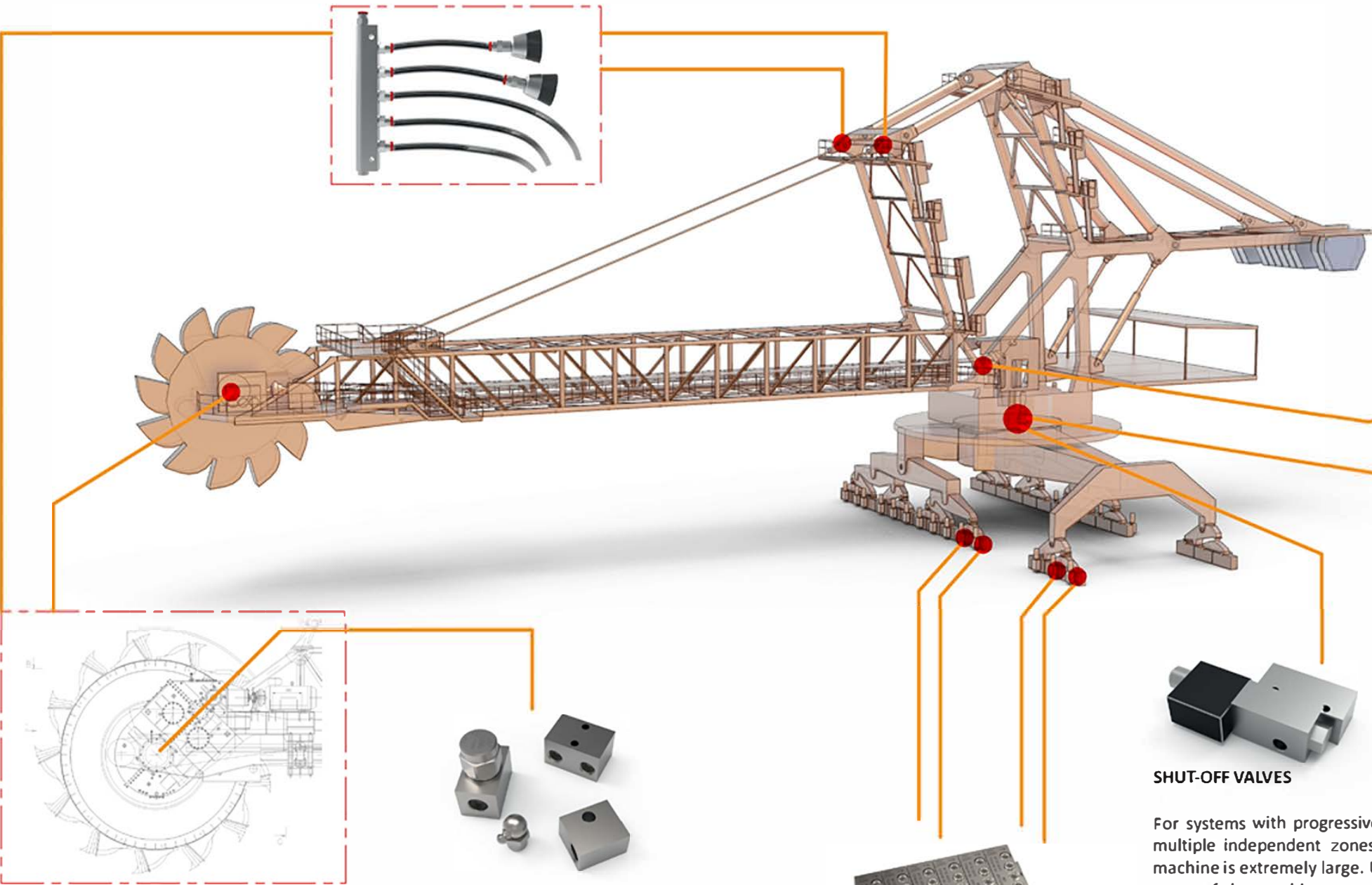


DL-1 INJECTORS

DL-1 injectors have been designed to provide lubrication on the friction points through supply line pressure, allowing in-line assembly even in small spaces. The flow rate is externally adjustable and the injectors come with a built-in visual indicator to check operation. They are versatile and flexible and can be installed on distributors.



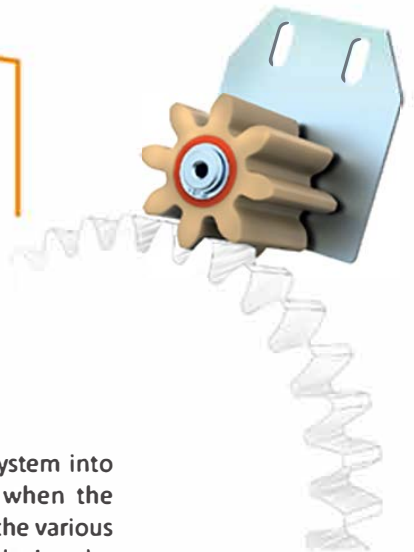
Stackers and reclaimers are large machines used in the mining industry to handle, store, and recover materials such as limestone, coal, and minerals (that can also be used in cereal harvesting). These machines run along rails, moving in at least two directions: horizontally along the rail and pivoting by rotating the arm, which can also be raised and lowered. Wheels, an-orientating fifth wheel, bucket wheels, ropes, bearings, and conveyor belts are all components that need to be lubricated. DropsA offers customized and automated lubrication solutions for specific applications.



ELECTRIC or MANUAL PUMPS

Different types of pumps are selected based on the distances and the quantity of points to be lubricated. The following are generally installed:

- MINISUMO
- SUMO II
- 989
- 34150 and 34160 series manual pump
- 340 series electric pump

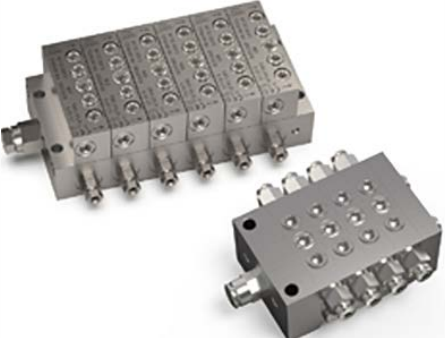


LUBRICATION PINION



SHUT-OFF VALVES

For systems with progressive dividers, "shut-off" valves are used to divide the system into multiple independent zones and to reduce load losses on the line, especially when the machine is extremely large. Utilization of these valves, which make lubrication of the various areas of the machine programmable, also allows for quicker fault detection, reducing the amount of points.



PROGRESSIVE OR DUAL LINE DIVIDERS

Progressive or dual line metering elements are usually used to lubricate machine areas such as wheels, fifth wheels, and chains. Progressive, nano-progressive (nP), SMX, and SMO dividers are the ideal solution for oil and grease lubrication applications due to their compact, solid design. Dual line dividers are similarly used for larger, multi-point machine sections. DM or modular dividers offer advantages in terms of flexibility, efficiency, reduced maintenance costs, and interchangeability.

ADDITIONAL ACCESSORIES AND COMPONENTS

Brushes for the lubrication of chains, filters, junction blocks, grease nipples, special fittings, and piping are all components that DropsA offers to provide a complete solution. Some parts of machines are lubricated at less frequent intervals than others. Centralizing these points, including a manual pump or a grease nipple with a safety filter, guarantees reduced greasing times and maintenance by operators who previously lubricated point to point.

Automatic Lubrication: Optimization of Costs and Reduced Down Time



The use of lubrication systems is essential for machine operation, even more so when the operation functions in heavy duty environmental conditions experienced in the mining and construction industry. The installation of an automatic lubrication system allows for reduced machine downtime, control of lubricant consumption, and the increased life of bearings, chains, and gears. Knowledge from years of experience and a widespread network of offices and dealers worldwide, DropsA provides specific solutions for all lubrication needs, including customer defined projects to installation, and after-sales support. The solutions proposed for the mining and construction sector are applicable on the various machine types:



MINING TRUCKS



EXCAVATOR



WHEEL LOADERS



STACKERS



SHIPLOADER



CRANES

Sistems Solutions



TOTAL LOSS LUBRICATION



GREASE LUBRICATION



AIR/OIL LUBRICATION



OIL RECIRCULATION LUBRICATION



MQL - NEAR DRY MACHINING LUBRICATION

DropsA

Since 1946, DropsA has been producing centralized lubrication systems and components, along with continuously developing new products, and patents, that have contributed to making the lubrication sector, all over the world, more innovative and competitive.

DropsA offers a vast range of products capable of maximizing the profitability and productivity of all machinery, providing the latest technologies in terms of systems, functionality, and components. Thanks to the branches and the specialized distribution channels, DropsA provides prompt responses, support, and assistance to customers on a local and global level, guaranteeing consistent high quality standards all over the world.



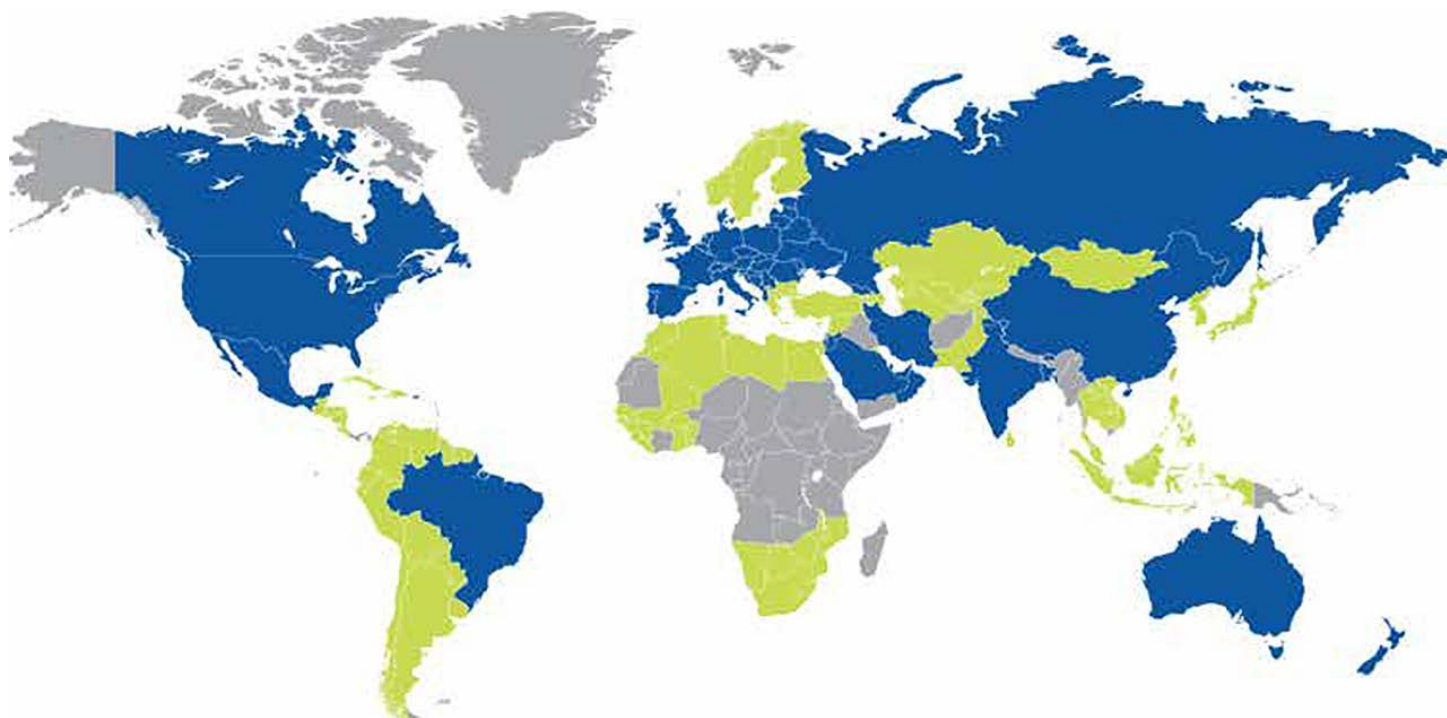
DropsA Production

The production, processing, and automated assembly systems utilized in DropsA's central plant, near Milan, are equipped with an advanced quality monitoring, and product traceability system, in order to guarantee both highly efficient processing and product assembly that accurately reflects all technical specifications. Continuous investments in all areas of design, engineering, and production of the products ensure a constant improvement in the reliability of the products themselves.



DropsA

LUBRICATION SOLUTIONS PROVIDERS



SERVICING & SUPPORTING



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