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Pioneering for You

Brochure Application

Wilo at the heart of automotive manufacturing

AUTOMOTIVE_01_A4_2F_180718_E

Automotive construction mixes closely This activity integrates multiple dimensions related to the foundry, OEMs, integrators and suppliers. multiple dimensions related to the foundry, the shoeing, the painting or the assembly involving many fluid transfers. To ensure optimum performance on all these processes, capture at the lift, Wilo offers you a complete range of pumping solutions the requirements of fluid transfer circuits.

Sr.	No. Customer name	Location	State
1	MARUTI SUZUKI INDIA LTD	GURGAON	Haryana
2	TATA MOTORS LTD	Pune	Maharashtra
3	Tata motors	Rudrapur	Uttarakhand
4	Tata Cummins	Phaltan, Satara	Maharashtra
5	Volkswagen India	PUNE	Maharashtra
6	Hero motocop	GURGAON	Haryana
7	General Motors	Halol	Gujarat
8	Mahindra and Mahindra	Rudrapur	Uttarakhand
9	Mungi Engineers Pvt Ltd-Mahindra Vehicle Manufacturers Ltd.	Nasik	Maharashtra
10	Reliable Autotech Private Limited-Mahindra Vehicle Manufacturers Ltd.	Nasik	Maharashtra
11	Mitsubishi electric automotive	GURGAON	Haryana
12	Toyota Kirloskar/AVL India Limited	Bangalore	Karnataka
13	Piaggio Vehicles Private Limited	Baramati	Maharashtra
14	JBM Auto	Gurgaon	Haryana
15	Tokasago	Chennai	Tamil nadu
16	Endurance Technologies Limited	Aurangabad	Maharashtra
17	Saint-Gobain	PUNE	Maharashtra
18	Kalyani Maxion Wheels Pvt. Ltd	PUNE	Maharashtra
19	Huf India Pvt. Ltd.	PUNE	Maharashtra
20	Volkswagen India	PUNE	Maharashtra
21	MAHLE Behr India Private Limited	PUNE	Maharashtra
22	Ge India Pvt Ltd	PUNE	Maharashtra
23	Gabriel India Limited	PUNE	Maharashtra
24	Spicer India Pvt. Ltd	Satara	Maharashtra
25	Mahabal Metals Pvt Ltd	Miraj	Maharashtra
26	Varroc Polymers Pvt.Ltd.-CK	PUNE	Maharashtra
27	Bosch Chassis Systems India Pvt. Ltd	PUNE	Maharashtra
28	Yanfeng India Automotive Interior Systems Private Limited	PUNE	Maharashtra



WILO Mather and Platt Pumps Pvt. Ltd.
Ground Floor, "Elpro Vision Exchange",
Elpro Compound, CTS No.4270,
Chinchwad, Pune – 411033.
Maharashtra (India)

T +91 20 27442100
F +91 20 27442111
Service Toll Free: 1800 266 8866

www.matherplatt.com / www.wilo.in
sales@matherplatt.com

www.facebook.com/WiloIndia

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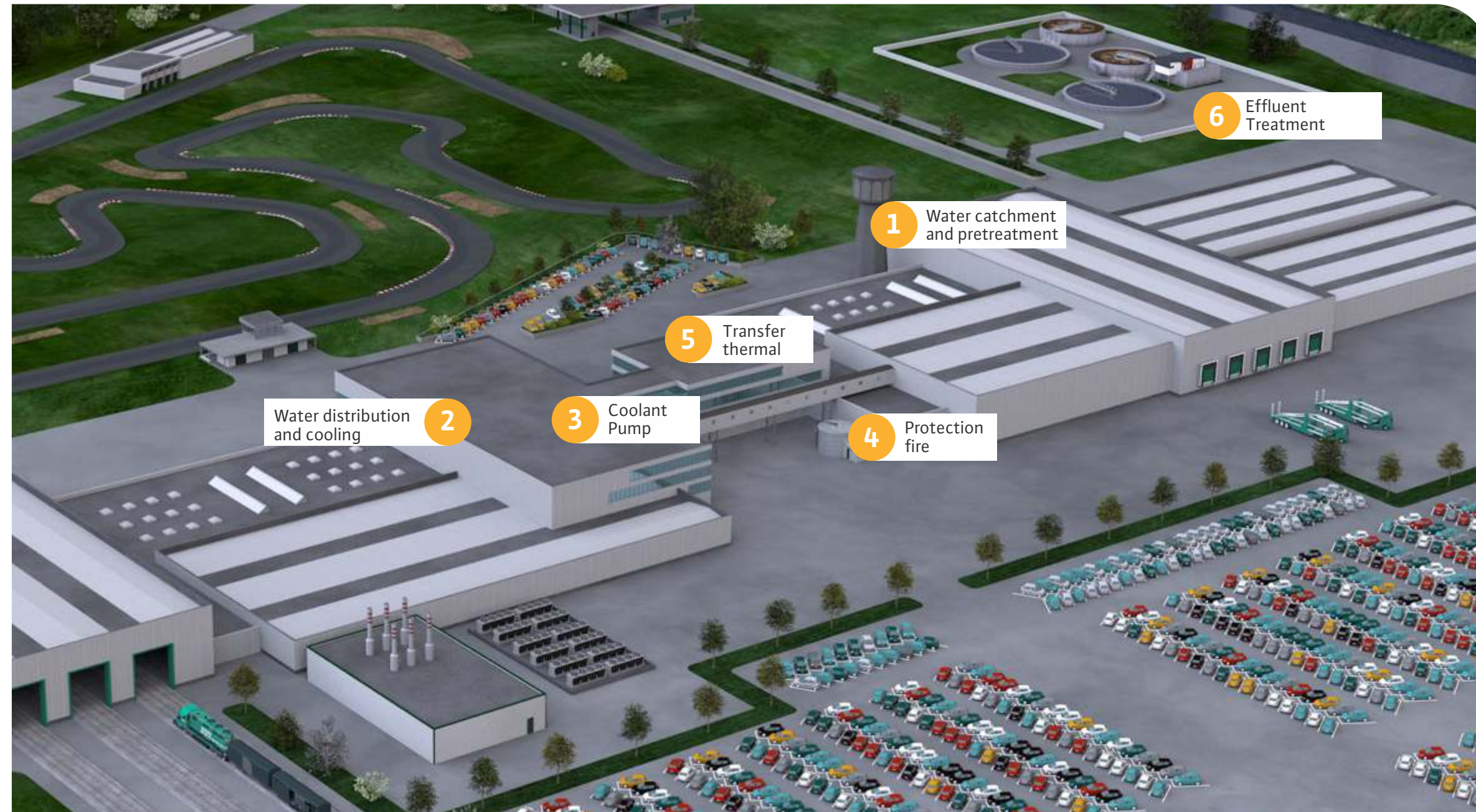
Pioneering for You

Energetic efficiency

Wilo develops its pumps and solutions pumping in a constant concern for efficiency Energy. The reduction of consumption based on :

- Optimized design of the part hydraulic, coupled with the use of engines high efficiency, which ensure efficiency constant energy.
- The use of speed variation which adjusts pump performance to real needs of the network, further reducing energy consumption and increasing flexibility of use.

For applications requiring a very high efficiency, our multicell pumps Helix and our Stratos GIGA online pumps are equipped with engines surpassing the IE4 (according to IEC TS60034-31 Ed.1), giving access to maximum operating economy.



1. Water collection and pretreatment

Water intake is essential for all cooling operations. Capture is done in water table or in river, according to the configuration of the site. The water is then treated for use in industrial water, it can then be stored in a water tower before distribution on the site.

Various solutions are available, such as drilling pumps from 4 inches to capture or vertical multicellular pumps



Wilo-TWI Stainless steel drill pump

- ACS certification.
- Stainless steel 304 or 316L, cast iron or bronze wheel.
- Easy disassembly for easy maintenance.
- High hydraulic efficiency.



Wilo-SCP Pump with gasket

- Easy access to rotating parts.
- Compatible with the speed variation landed.
- Very low NPSH for better suction capacity.

2. Water distribution and cooling

The cooling of the production tools intervenes almost at all stages: the foundry, stamping, shoeing, painting ... It is thus necessary to route regular and consistent flows of cold water to all buildings. The cooling of the water is generally done in a primary circuit provided with air-cooling towers.

Vertical shaft line pumps minimize maintenance while providing high flow rates. Variable speed pumps provide great flexibility on lines whose needs vary regularly.



Wilo-NLG Monocellular pump standardized to EN 733

- ACS version optional.
- "Process" system for easy disassembly of the mechanical seal (spacer option).
- Shafts and bearings reinforced according to ISO5199.
- Cast iron chassis for a better rigidity of the whole.



Wilo-SiBoost Smart Helix VE Module de surpression

- Energy savings thanks to high efficiency pumps and the speed variation.
- Simplified maintenance with mechanical cartridge seals.
- Operating pressure up to 25 bar.
- Available from 1 to 4 pumps.

3. Coolant Pump

A coolant pump is a type of pump used to recirculate a coolant, generally a liquid, that is used to transfer heat away from machine tools. The pumps are designed to be mounted on top of tanks with the pump part immersed into the pumped liquid. These compact pumps efficiently transport liquid containing chips, fibres and abrasive particles to the filtering unit. The pump is designed to be maintenance free, and therefore does not contain shaft seals or other wear parts.



Wilo-WEA Coolant Pump

4. Fire protection

The protection of people and property against the risk of fire is critical for the company. This is a complex job that has strict requirements, so pumping systems must be irrefragable.

For example, the specific design of the pumps avoids any risk of seizure, guaranteeing them immediate availability even after a prolonged shutdown.



Wilo-COF Fire extinguisher dedicated to RIA installations

- Total operational safety with the emergency pump.
- Booster ready to be installed and fully automatic.
- Reduced footprint.
- Conforms to the APSAD standard.



Wilo-SiFire Fire extinguisher EN12845 compliance

- Compact modular package for Sprinkler installations.
- Jockey pump supplied as standard to maintain pressure.
- Total operational safety thanks to the emergency pump



Wilo-Stratos High performance circulator

- Up to 80% energy savings compared to a fixed speed circulator.
- Degassing and automatic degumming.
- Simplified electrical connection.
- LCD display.



Wilo-Stratos GIGA Pump online high yield

- Energy efficiency surpassing IE4 (according to IEC TS60034-31 Ed.1).
- Optimization of the operating point with the variation of speed.
- Temperature range from -20 ° C to +140 ° C.



Wilo-NESD Standard centrifugal pump self-cooled EN 22858

- High hydraulic performance.
- Self-cooled pump to prevent the use of cooling fluids up to 207 ° C.



Wilo UL Listed, FM Approved Fire Pumps

- Shut off head will range to a maximum of 140% of rated head.
- The pump must be able to work at 150% of the rated flow.
- Pump shall furnish not less than 150% of rated capacity at not less than 65% of total rated head.
- Motor power must be in compliance with the working conditions that contains 150% of the rated flow.



Wilo UL Listed Diesel Fire Pump Controller

- The diesel fire pump controller is a comprehensive, multi-function microprocessor based fire pump controller.
- Designed to meet the needs of markets worldwide, the diesel fire pump controller is certified by the following authorities: Underwriters Laboratories (UL)



Wilo-Mixer

- Ceram® coating.
- High efficiency.
- Available with IE3 motors.
- Complete range of agitators with diameters from 280 mm to 2600 mm.



Wilo-Rexa PRO Lift pump

- Robust construction all cast iron.
- Freewheel integral wheel.
- Double mechanical seals for increased reliability.
- Optional IE3 motor.

6. Effluent treatment

The effluents from the paint shops undergo a first physico-chemical treatment before joining the wastewater for a traditional biological treatment.

The use of cast iron lift pumps, equipped with double packing with intermediate oil chamber, provides safety operating at an optimal cost. Agitators are available with a Ceram® coating, reducing corrosion and abrasion wear and increasing their service life. These models can also be equipped with IE3 motors.