



**Sustainable Development
Through Increasing efficiency
and Cost Reduction**

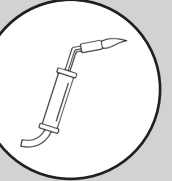
For over 100 years, our company has been a pioneer in developing and implementing innovative solutions to combat industrial wear. Our technologies help customers extend service life, minimize inventory, reduce unplanned downtime, and increase efficiency.




Services




Welding




Brazing



Coating



Equipment



Cladding

We have transitioned from a family-owned business into a **global company**, all while maintaining our industry expertise, people focus, and deep-rooted belief in **SUSTAINABILITY**.

**SUSTAINABILITY /
CARBON FOOTPRINT**

**SUSTAINABILITY/
CO₂ FOOTPRINT**

By giving a second life to worn-out and damaged industrial components, we contribute to the circular economy and reduce our carbon footprint.

**ENERGY SAVING/
COST SAVING**

Our surface protection technologies prolong the lifespan of components, leading to significant cost savings by eliminating the need to purchase or store replacement parts. Additionally, optimally functioning critical industrial components consume less energy.

**PRODUCT
INNOVATION**

We launch products and services with limited environmental impact that are safer for operators, such as carbon-free and UV-free brazing flames, non-CMR brazing fluxes, and chrome-free welding wires.

**OUR COMPANY
CULTURE**

We will continuously act **ethically** and in a manner that meets the expectations of our **environment, customers, employees, and shareholders**.



Innovation

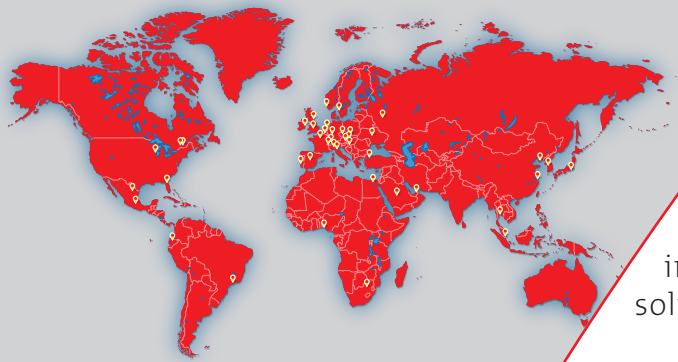


Trust and Safety



Friendly Working Environment


*Pioneering
Industrial Sustainability*




**Global Wear Management
Network with Local Support**

Our service centers provide local technical support while our expertise extends globally.


Our global key industry network combines resources to solve challenging wear issues, and our local teams implement the most cost-effective and sustainable solutions.




1538
Employees



10
Supply centers



20
Service centers



31
Market centers

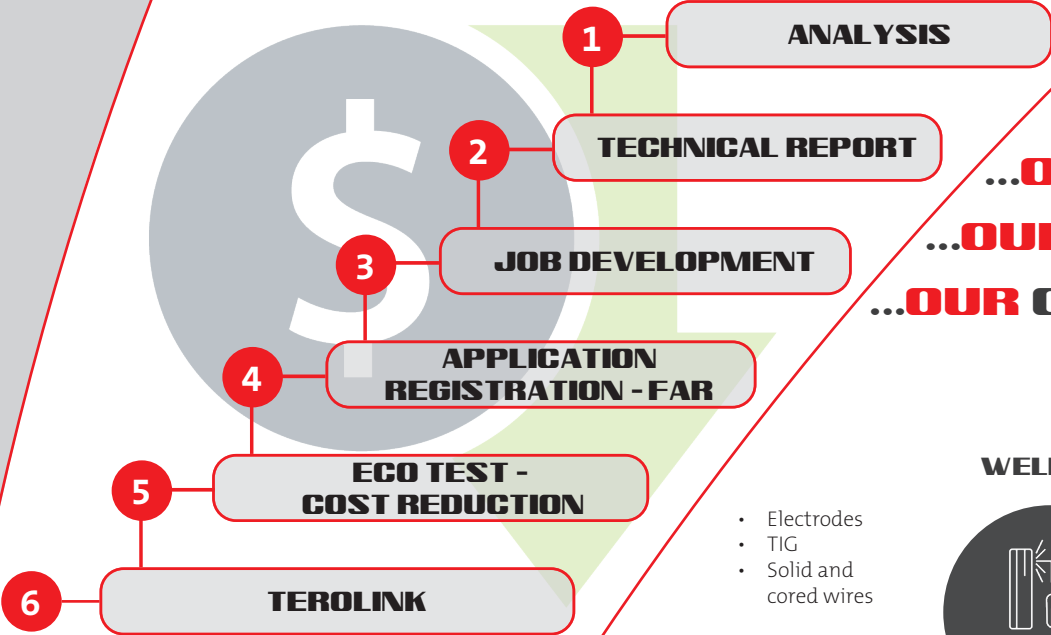
**WASTE WATER
TREATMENT
INDUSTRIES**

Solutions for the regeneration and protection of infrastructure for the **water and sewage** industry



**PARTNERSHIP
PROGRAM**

SMART MAINTENANCE AND REPAIR



**...OUR SOLUTIONS
...OUR EQUIPMENT
...OUR CONSUMABLES**

WELDING

- Electrodes
- TIG
- Solid and cored wires

- MMA
- MIG/MAG
- TIG
- PTA
- Plasma cutting

COATING

- Laser Cladding
- PTA
- Arc Spray
- HVOF
- Flame Spray
- Ceramic Polymers

BRAZING

- Fluxes
- Pastes
- Rods
- Torches
- Water-based oxyfuel stations

Equipment + Consumables

Your resource for protection, repair and joining solutions

Statement of Liability: Due to variations inherent in specific applications, the technical information contained herein, including any information as to suggested product applications or results, is presented without representation or warranty, expressed or implied. Without limitation, there are no warranties of merchantability or of fitness for a particular purpose. Each process and application must be fully evaluated by the user in all respects, including suitability, compliance with applicable law and non-infringement of the rights of others, and Castolin Eutectic and its affiliates shall have no liability in respect thereof.

Pioneering Industrial Sustainability

www.castolin.com www.eutectic.com



Complementary Solutions for the Water and Sewage industry

Our solutions, implemented across various industries including water and sewage, encompass the production of components with protection for wear-prone areas. Additionally, our welding technologies are utilized in maintenance work to repair cracks and reconstruct local surfaces, followed by subsequent protection. These solutions are grounded in the use of specialized welding materials and our company's proven welding equipment.

Product range of common solutions

Stick electrodes	Comments	Wires
CaviTec GMA	Uniquely Engineered Electrodes and Wires Designed to Resist Severe Cavitation-Erosion Damage	CaviTec SMA
6327 XHD	Perfect balanced resistance against impact & abrasion involving high stresses, even at high temperatures.	DO*327
6088	Composite Ni base WC. Superior resistance to combined severe Impact, Pressure, Abrasion, Corrosion & Temperature.	DO*11 DO*611X
2222XN	High integrity joints all steel grades, specially when big section parts are involved. Maximum Safety Marging.	DO*622
XHD 646	Work hardening, high toughness and ductility, typical alloy for buffer layers and joining.	DO*02
Xuper 5006 N	Intensive abrasive resistance with moderate impact and corrosion. Good hardness retention until 650 °C.	DO*31
701	Universal wear protection alloys (superior 600 HB type). SafeHard Cr and Ni free for safer use and higher protection.	SafeHard 600 DO*351
4914	Composite alloys Fe base. High concentration of WC. Maximized abrasion resistance.	DO*48
-	Ultra hard nano scale structure for exceptional performance against severe abrasion & erosion at high temperature.	DO*390
6710 XHD	High efficiency electrode. Premium resistance to abrasion under pressure and moderate impact.	-
6868 XHD 690 SF	Overlaying and repairing of dissimilar and difficult to weld steels. Remarkable mechanical properties and crack resistance.	-
-	Good resistance to fine particles pure abrasion and erosion. High hardness in only one pass.	DO*30

CastoDur Diamond Plates® – Wearfaced Parts and Solutions

CDP® – Weld Cladded Range

XuperWave S	Extreme resistant against abrasion and erosion, working temperature up to 450°C
4666	Resistant against abrasion and erosion combined with little impact, working temperature up to 450°C
4623i	Resistant against abrasion combined with extreme impact, working temperature up to 150°C
4624	Resistant against abrasion combined with moderate impact, working temperature up to 250°C
3952	Resistant against abrasion and erosion, working temperature up to 600°C

CDP® – Powder Plate Range

112	Abrasion and erosion, working temperature up to 600°C.
496	Abrasion and adhesion – very low coefficient of friction

CDP® – Laser Plate Range

LC8	Extreme resistant against erosion and abrasion
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MeCaTec – Ceramic Surfacing Polymers

MeCaFix 120	Low temperature cure, stainless steel and titanium filled metallic repair putty.
MeCaWear A5	High performance paste grade polymer coating with fiber.
MeCaWear A7	Wear Protection Compound with Kevlar®
MeCaWear 306	Silicon carbide based ceramic polymer coating with paint like viscosity.
MeCaWear 350	Ceramic epoxy composite coating for Severe Erosion at Elevated Temperatures.
MeCaWear 706	Sprayable two component epoxy based Ceramic Surface Coating
MeCaCorr 710	Fluid ceramic polymer coating for Industrial Corrosion Resistance.
MeCaCorr 780	Ceramic hybrid epoxy coating to provide a thermally stable high performance polymer matrix.

For further details contact your Castolin Eutectic application specialist

SECONDARY SETTLEMENT TRENDS

Defects and cracks on the track.



► Castolin Eutectic solution: Repair of defects with composite technology with minimal machine downtime.

GRATES

Erosion wear of grating elements.



► Castolin Eutectic solution: Making abrasion-resistant coatings using thermal spraying.

PUMP IMPELLERS

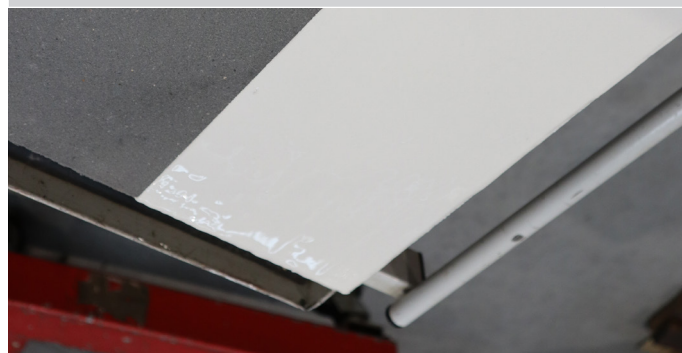
Pump impeller reconstruction and protection



► Castolin Eutectic solution: Regeneration and protection with composite technologies.

CONCRETE STRUCTURES

Strong corrosion of concrete in highly aggressive environments.



► Castolin Eutectic solution: Repair and protect the baking of concrete using composite technologies.

WASTEWATER PUMPS

The combination of erosion and corrosion causes rapid wear of rotors and casings.



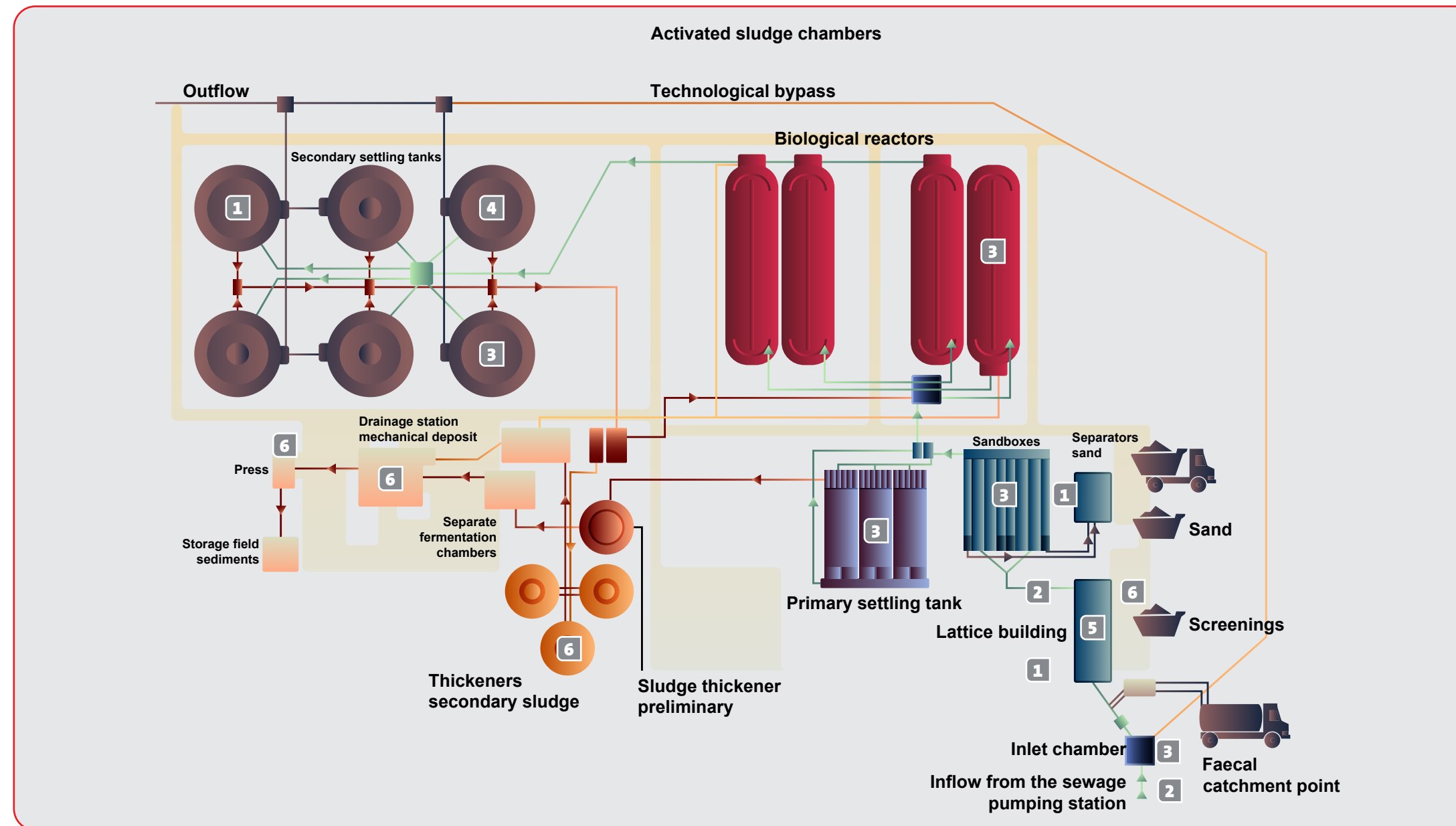
► Castolin Eutectic solution: Regeneration and protection with composite technologies.

FEEDING SCREW

An erosion and corrosive environment causes rapid degradation, especially leading edge wear.



► Castolin Eutectic solution: Flame spray, MeCaTec.



Services + Solutions

MeCaTec®

Ceramic Surfacing Polymers

MeCaFix

Patch and go repair compounds for rebuild, repair and bonding

- Environmentally sustainable coatings
- Long term surface protection for critical industrial assets
- Solvent-free (100% solids), zero VOCs

MeCaWear

Abrasion and erosion resistant polymer coatings and grout

- Easy to apply with trowel, brush, MeCaSpray gun, or airless spray
- **Repair · Rebuild · Protect**

MeCaCorr

Corrosion resistant barrier coatings for immersion and chemical linings

Thermal spraying (SuperJets)



MeCaTec composite protective layers



Composite coatings on concrete



Welding materials and equipment



Thermal spraying (CDS 8000)



CDP® CastoDur Diamond Plates® Wearfaced Parts and Solutions

Active protection against abrasion and erosion.

- Reduce maintenance costs due to extended service life cycles of protected surfaces
- Increase plant availability by means of longer maintenance intervals for heavily loaded surfaces
- Conserve resources and protect the environment with exchangeable liners

CastoTubes®

Preventive protection against severe abrasion and erosion

Small diameter, seamless CastoTubes for superior industrial performance.

- Extremely wear-resistant, lightweight, and easy-to-join
- Highly cost-effective for rapid replacement of worn tubes
- Increases service life, plant availability, and process productivity