Plasma System SA is an advanced technology company specializing in the surface engineering and laser technology sector.

Why is it worth using protective coatings?

- **IMPROVE THE PERFORMANCE** parameters of the worn or damaged elements
- **EXTEND THE DURABILITY** of machinery and equipment parts
- **LIMIT THE RISK** of emergency downtimes and work interruptions
- **REDUCE THE COSTS** of ongoing operation and overhauls

**Applied technologies**

- Hardfacing
- Hardening
- Welding
- Alloying

**LASER TECHNOLOGIES**

- Arc
- Flame
- Remelting
- Plasma
- HVOF
- nanoHVOF

**THERMAL SPRAYING TECHNOLOGIES**

- Arc
- Flame
- Remelting
- Plasma
- HVOF
- nanoHVOF
APPLICATIONS

HARDFACING
- Pipes
- Cistern tanks
- Rollers
- Wheel treads
- Power blocks and sections
- Turnout rails
- Rails and blocks
- Arc points

REGENERATION
- Tramway axle bearing ends
- Crane wheels
- Lathe screws
- Crankshafts
- Dynamic stabilizer generator holes
- Axle ends

OTHER SERVICES
- Regeneration of machinery and equipment parts
- Inner car side surface coatings
- Steel construction galvanization / cistern tank hardfacing
- Securing the wheel sets
- Track bench modernization
- Spraying the tramway chassis rocker arms (roller bearing holes)
- Ground wheels
- Securing the turnout profile
- Laser welding
- Crankshaft regeneration
- Functional coatings

INTERESTED? CONTACT US
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