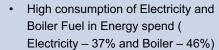


CHALLENGE





- Manual measurement and reaction approach to events
- Focus on reducing energy consumption across the process value stream

APPROACH



Bosch Software and Digital associates adopted a three phased approach comprising of

- · solution design & benchmarks
- · hardware installation & field wiring
- technology deployment
- and change management & benefits to deliver tangible saving across energy and utilities circuits.

Bosch deployed its DEEPSIGHTS platform integrating the existing steam meter data Boiler, SCADA and Ammonia SCADA (via BACnet and ModBus protocol), and installing additional sensor for data acquisition.

SOLUTION AND OUTCOME



Solution design established 7 focus areas and use case implementation with targeted saving :

- 1. Energy optimization by monitoring idle losses 16 24 Lakhs INR
- 2. Utilities monitoring for key metrics Coal, Steam, Energy, HSD,LPG and Water
- 3. Coal optimization in boilers 85 135 Lakhs INR
- 4. Steam optimization 51 88 Lakhs INR
- 5. HSD (Diesel) optimization
- 6. Performance monitoring of ARP plant 0.8 1.2 Lakhs INR
- 7. Machine productivity improvement nonproductive usage pattern analysis

 Bosch used is experience in energy management, proven IT-OT digitization expertise and

 DEEPSIGHTS platform to identify 2.0 CR to 2.5 CR INR per annum.

