Energy Efficiency assessment
Improvement of plant efficiency
ABB's energy efficiency experts run an on-site assessment to identify potential savings for energy consumption. Based on this audit customer representatives of management and engineering and ABB review the energy efficiency potential and define an implementation plan. Main focus is on a short pay-back period.

Saving potential per plant e.g. of unit auxiliary load usually lies between 5 to 20 percent of the current energy consumption, which means up to 1 percent of overall plant efficiency.

ABB energy efficiency solutions have a proven and well-documented ability to:
- Improve the energy efficiency of power plants
- Raise the plant's electrical output by correcting process inefficiencies
- Generate more energy from less fuel by lowering the plant's fuel consumption
- Increase plant revenues by selling more energy and reducing fuel wastage
- Extend the operating life of the plant by optimizing asset performance
- Improve operational flexibility by maximizing process efficiency
- Reduce greenhouse gas emissions by minimizing the plant's carbon footprint

The Opportunities Report aims to identify specific opportunities to deliver improvements, by confirming how, where and why energy is used, identifying areas of inefficiency, and comparing current performance with established industry best practices. During the Alignment Workshop all parties discuss and finally confirm the opportunities. Decision is taken to implement confirmed Quick Win Opportunities. The other found opportunities are confirmed and prioritized into Tier 1 projects to be specified and implemented or into Tier 2 projects to be shelve for possible later implementation.

ABB experts will review the existing equipment to meet today’s standard of energy efficiency.

### ABB Activities:
- Request for information
- Initial data review
- Site assessment
- Kick-off meeting
- Assessment of areas
- Closing meeting
- Opportunities report
- Report review
- Alignment workshop

### ABB Deliverables:
- List of requested information
- Presentation
- Presentation, List of identified Opportunities
- Opportunity sheets, List of identified opportunities updated for the elaborated opportunities, Payback chart for the elaborated opportunities
- Telco and revision of the opportunities report
- List of confirmed Quick Wins
- List of Tier 1 and Tier 2 Opportunities