

# ABB Ability™ Energy Optimization for Drives and Motors

## Service product description

ABB has devised a simple, methodical ABB Ability™ Energy Optimization for Drives and Motors service that highlights the energy saving potential for end users of using ABB drives and motors in selected applications. This helps end users target their investments to generate the greatest savings and deliver the best return.

### Value to customer

- Identification of applications with the highest energy saving potential
- Professional recommendations to achieve target savings
- Estimation of payback period if an investment is made
- Reductions in utility bills and total cost of ownership
- Significant improvement in process availability, positive yield
- Reduced greenhouse gas emissions and enhanced energy security.

### Service includes

ABB Ability™ Energy Optimization for Drives and Motors report, including:

- Total number and types of applications appraised
- Current annual running cost, potential percentage savings and annual savings
- Proposal for budget investment with recommended ABB equipment
- Payback period and net present value
- Potential annual CO<sub>2</sub> emission reductions
- Engineer reports with justification

### Optional services, including:

- Engineered appraisal: empirical data collections
- Implementation of ABB's recommended solutions
- Verification and follow-up report on the savings

### Additional services to be agreed separately:

- Project management
- Installation
- Testing and commissioning
- Service agreement
- Preventive Maintenance service

### Service does not include

- Distributed control system
- Process parameter improvement
- Power quality measurement

### Product coverage

- AC electric motors with conventional motor starter (eg, Direct On-Line, star-delta connection, autotransformer, softstarter or other non-inverter)



For more information, please contact your local ABB representative or visit:

[www.abb.com/drives](http://www.abb.com/drives)  
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- Driven application equipment: specifically variable/quadratic torque loads (eg, centrifugal pumps, fans and compressors)
- Oversized motor and application equipment operating with partial flow
- Applications (pumps, fans) with mechanically restricted output (eg, mechanical drives, hydraulic drives, dampers or valves)
- Providing at least the following information:
  - Electricity costs (or electricity bills)
  - Load and energy profiles and annual running times
  - Fan, pump and compressor data
  - List on motors in these applications
  - Single-line diagrams of identified applications for the ABB engineer

- Providing personnel qualified for electrical work, if necessary

#### **Customer responsibilities**

- Assigning skilled personnel to accompany the ABB engineer on-site and provide all necessary information
- Preparing and providing work permits, if necessary, and ensuring that the site is safe and conforms to local health and safety standards (or the ABB JHA standard)

#### **Other terms**

- According to the agreement between ABB and the customer.



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