Energy Performance Assessment
Unlocking value for your Food and Beverage plant

Whether it’s cost savings or corporate social responsibility, there are undeniable benefits to food manufacturers investing in energy efficient technology. To remain competitive they need to reduce their environmental impact and cut costs and at the same time improve performance and enhance functionality to serve the market’s demands.

With our Consultancy Service we discover and unlock value potential by means of a structured approach and a comprehensive on-site assessment.

There are many causes for upheavals in the global value chain along with profound structural changes in industries:
- The demand for higher productivity
- Ever shorter product life cycles
- The trend towards mass customization
- Increasingly exacting environmental protection
- Compliance standards
- Performance gains in digital functionality designed to enhance communication, data analysis and presentation

To remain competitive in an environment as disruptive as this and to be able to offer even highly customized products in smallest lot sizes in a cost-effective and sustainable manner, we at ABB can support our customers with our consultancy service.

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<thead>
<tr>
<th>Opportunity Identification</th>
<th>Master Plan</th>
<th>Implementation</th>
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<tbody>
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<td>Behaviours &amp; Practices</td>
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<td>Monitoring &amp; Targeting</td>
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<td>Technology &amp; Control</td>
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Process Industries
Utilities
Operations
Food & Beverage plant energy performance assessment

We conduct a comprehensive, on-site evaluation of your manufacturing system to identify inefficiencies & opportunities for improvement and uncover the cause of current or potential problems. We analyse and provide recommendations that will be most effective in achieving your objectives.

The outcome includes the detailed report that comprises recommended energy conservation measures (ECMs), estimated savings return on investment, emission reduction and opportunity prioritizations. Our assessment also focuses on improvements through lean management principles, technological improvements, benchmarking and Industry 4.0 applications.

Energy Performance Assessments cover:
- Energy performance assessment of plant
- Review of Electricity billing analysis
- Energy Monitoring & management practices
- Electric motor & driven equipment
- Process automation & control
- Refrigeration system
- Boiler & steam system
- Process & Utility control
- Compressed air system
- Water & wastewater

Energy Purchase | Conversion | End Use | Loss
--- | --- | --- | ---
Electricity | → | → Heat
Fuel | → | → Heat, CO₂
Water | → | → Waste Water

Energy Assessment self check:
This assessment will help you to understand the energy performance of your plant and let you know improvement potential. Based on your inputs we will share the assessment results via the e-mail address you provided. Let us know if you are interested and we will send you the link.

Send me the link to self-check

Energy Assessment supported by ABB
This Energy Assessment conducted or guided by ABB you will be able to find out how to lower energy and operating costs, how to increase electrical system efficiency and reduce CO₂ emissions and water usage while being compliant with the strictest power quality regulations.

Contact us for Energy Assessment

ABB Process Industries

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

Energy Purchase Conversion End Use Loss

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<th>Conversion</th>
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<tbody>
<tr>
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<td>→</td>
<td>→ Heat</td>
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<tr>
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