

Sometimes it pays to take a closer look

Try the ABB Energy Snapshot...



The ABB Energy Snapshot is a free, no obligation service that in half a day identifies the potential energy saving opportunities in your motor-driven applications, and shows you how to turn that potential into reality.

In just half a day, an engineer from ABB or approved ABB Value Provider visits your facility and identifies up to five applications that offer the greatest opportunity to cut energy use in the shortest possible time. An action plan is then provided to turn those potential savings into actual savings.



The ABB Energy Snapshot is free with no obligation. If, once your energy assessment is complete, you are not fully convinced that the savings are achievable, we can arrange the loan of hire equipment to let you put our recommendations to the test.



To book yours today, visit
www.abb.co.uk/energy

The Energy Snapshot provides you with three separate reports, each tailored to the needs and priorities of relevant decision-makers at your facility.

What's in the ABB Energy Snapshot?

One snapshot – three different perspectives. Purchasing decisions aren't always just made by one person, which is why with the ABB Energy Snapshot, each stakeholder in the decision-making process receives a bespoke report that speaks the same language they do. It provides key personnel with the information and clarity they need to realise the energy saving potential on motor-driven applications, and dramatically cut costs.



Finance manager



“I need the hard facts on investments, savings and payback times.”

Get full visibility on investments...

- Financial controllers need to have the facts at their fingertips – without getting bogged down in technical jargon.
- Snapshot report incorporates actual plant values to provide credible, impartial analysis of current plant performance and potential savings for motor-driven applications.
- Monetary values are calculated using plant energy running costs measured on-site.
- Day/night and peak/off-peak energy rates and alternative energy supplies taken into account (e.g. rooftop solar panels, heat recovery).

... by unlocking the hidden figures

- Savings are presented within the context of energy schemes such as ESOS, SECR etc.
- The Snapshot's report uses basic explanations where appropriate for technical concepts; e.g. energy savings can be expressed as an equivalent number of lightbulbs, or CO₂ expressed in air miles.
- Raw data is displayed along with charts and graphics to clearly demonstrate current and projected running costs, investment, savings forecasts, payback points and energy/CO₂ saved.
- Snapshot report can be used to build a compelling business case for investment in energy saving equipment.



Energy manager



“We need to cut our energy bill and carbon footprint.”

Identify the big energy consumers...

- Pressure is on industry to reduce energy costs and carbon footprint wherever possible.
- Energy Snapshot report identifies up to five of the biggest energy consumers across your plant, and provides a realistic and achievable action plan to rapidly reduce consumption and costs.
- Comprehensive analysis of motor energy usage can subsequently be used as part of SECR and ESOS reporting schemes.
- On-site assessment takes into account specific environmental considerations unique to your facility and operations.

... then unlock the saving potential

- Variable speed drives often represent a small investment with big reward for many motor-driven applications.
- Snapshot report provides specific equipment recommendations with detailed product descriptions and cost/benefit analysis.
- Engineer's notes describe drive and motor technical considerations within the context of your applications, along with explanations in engineering and layman's terms for predicted savings.
- Fitting a drive to a motor with no speed control can reduce energy usage by up to 60 percent.
- IE4 and higher efficiency class motors are among the most efficient available, contributing to further energy reduction.



Maintenance engineer



“I need to control rising costs, and prolong equipment lifetime.”

Lower operational overheads and production risks...

- Operational costs must be controlled without compromising safety of plant, personnel or end product.
- Plant shutdowns are costly, from lost production time, spoiled goods and reputational damage.
- Snapshot report provides detailed analysis of your existing plant equipment, giving you insight into motor condition.
- Based on available data, recommendations are provided as to whether upgrading equipment could reduce operating costs.
- Engineer's notes provide maintenance personnel with the technical information to explain and justify recommendations.

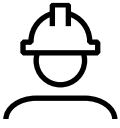
... through advanced motor and drive technologies

- Soft starting avoids sudden shock loading, and can be used to reduce motor speed leading to less wear and tear to gears, belts and driven machine, reducing likelihood of breakdowns.
- Report takes into account application types and actual motor condition, e.g. size, load, age, number of rewinds, as well as plant environmental considerations, to give you a true snapshot of your installed base.
- Free CPD-approved training is available from ABB to help industry professionals continue to extract optimal equipment performance with minimal downtime.
- Report provides specific equipment recommendations with detailed technical notes including existing unused or underused drive functions, and installation considerations relevant to your applications.



How it works

6 steps towards cutting your energy bills by up to 60%



Outlining the scope

An ABB-approved engineer visits your facility to identify the location and criticality of up to five motor-driven applications that are wasting the most energy. Any health and safety restrictions will also be identified, as well as anything unusual that may affect energy consumption.



Monitoring and data collection

Motor name plate information and process control details are gathered from the client and the process for the purpose of data analysis. Typical applications examined include pumps, fans and compressors.



Data analysis

Findings are analysed to estimate present energy use and carbon dioxide emissions, and to identify savings and payback time if an investment in drives and/or motors is made.



Recommendations

An action plan is prepared highlighting the applications that offer the greatest/fastest opportunity to reduce energy consumption. Figures will normally be translated into annual savings, and there will be detailed recommendations for suitable drives or motors. Three separate tailored reports are created highlighting information relevant to financial controllers, energy managers and maintenance personnel. To further prove the results, ABB can arrange a hire drive to let you put the recommendations to the test.



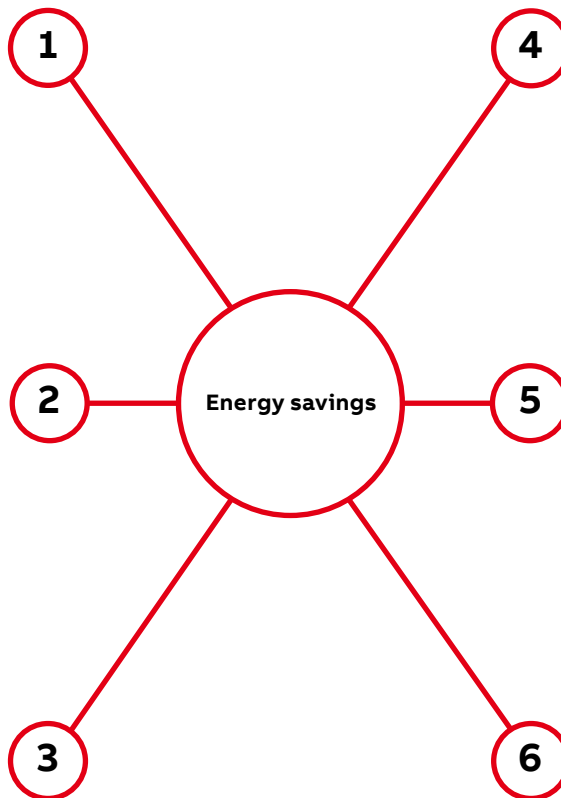
Installation (optional)

Maximise the efficiency and reliability of VSDs and motors from day one by leaving installation and commissioning to an ABB-approved engineer.



Verification and follow up (optional)

Once new equipment is fitted, energy consumption is tracked to enable predicted and actual savings to be compared.



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