



Energy Optimization Services

A non-binding analysis of the current pump performance that will help to find potential energy savings and optimize the pumping system.

be
think
innovate




GRUNDFOS 

Why is energy optimisation so important?

A Grundfos Energy Check or Energy Audit can help you find hidden savings in your organisation. It can identify potential energy savings in your pump installation and help you understand how to save on your pump operating expenses.



How do you benefit?

 FINANCIAL	 ENVIRONMENTAL	 OPERATIONAL
Typically 30% reduction in energy costs	Reliable operation Low failure rates	Typically 30% reduction in CO2 emissions
Short payback time (1-5 years) Overview of pump lifecycle costs	Complete overview of pump installations Reduced downtime Reduced repair costs	Contributes to environmental and energy targets Compliance with energy regulations and standards
Reduced operation costs Improving their business performance	Improved overview for pump maintenance and replacement Achieving a safer and optimised pump operation	Improved environmental footprint Improving the green image of their business



Energy Check

To realise the hidden savings in the pumps, Grundfos in close collaboration with selected service partners and dealers offers a complimentary energy check of the pumps.

This walk through assessment will be as per ISO 14414 standards and through this Grundfos will identify potential savings and recommend solutions to improve system efficiency.

The Energy Check is Fast & Easy. Here is how it works:



1. ONSITE INSPECTION

Grundfos along with its authorized partners will conduct a 3-4 hour survey of the pump installations. During this time critical parameters such as age, flow, head, power consumption and operational issues (if any) will be discussed and noted. The inspection requires no downtime of the system.



2. ENERGY CHECK REPORT

The findings are recorded in an energy check report. This report gives a complete overview of the pump installation, recommendation, savings, investment and pay-back time.



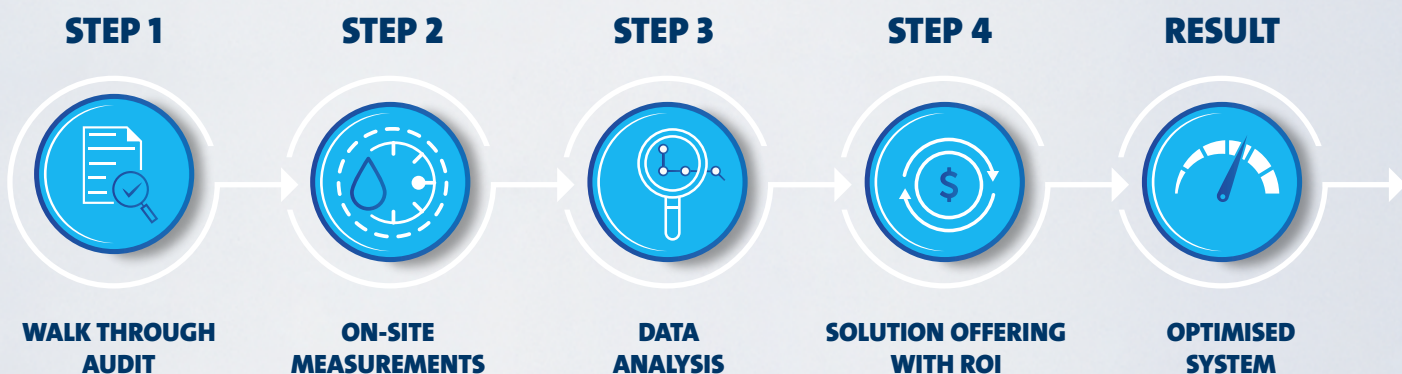
3. REALISE SAVINGS

The energy check report will be presented and the recommended solutions will be discussed. This will be a 1-2 hour meeting. It will also include the action plan for execution.

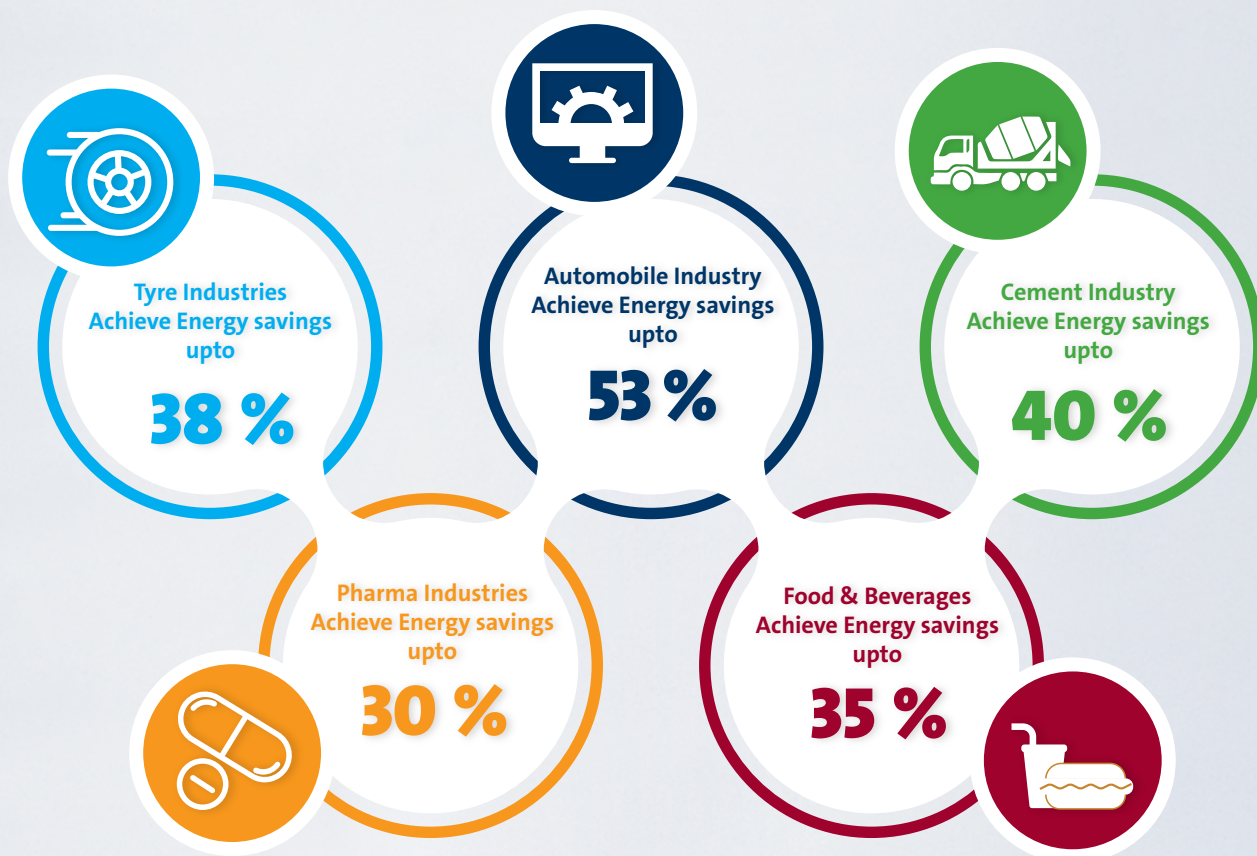


Energy Audit

An energy audit is the ideal way to find out whether pump system is operating efficiently. It is an optimal way to reduce carbon emissions and save operational expenses by a thorough analysis of installations.



Energy savings potential through Grundfos Energy Audits!



GRUNDFOS
iSOLUTIONS

A SMART SOLUTION
FOR YOU



8 Cases to help you make the right decision

The potential of the energy check has been proven by a number of projects in different sectors and applications. Below are some of our energy optimisation cases from the India, Middle East and Europe.



Food & Beverage Industry in India

Energy Savings upto 31%

Application : HVAC
Size : Large Industry
Energy saved : 0.17mio kWh/year
Investment : 5.800 USD
Saved Money : 13.600 USD/year

PAYBACK TIME: Less than a year



Automobile Plant in Turkey

Energy Savings upto 53%

Application : Industrial Automotive
Size : Large Industry
Energy saved : 0.17mio kWh/year
Investment : 24.800 USD
Saved Money : 20.500 USD/year

PAYBACK TIME: 1 Year 2 Months



Food and Beverage Industry South Africa

Energy Savings upto 16 %

Application : Boiler
Size : Large Industry
Energy saved : 0.21mio kWh/year
Investment : 98.500 USD
Saved Money : 25.700 USD/year

PAYBACK TIME: 3 Years 8 Months



Cement Plant in India

Energy Savings upto 38%

Application : Auxillary Cooling Water for Turbine
Size : Large Industry
Energy saved : 1.39mio kWh/year
Investment : 34.600 USD
Saved Money : 81.000 USD/year

PAYBACK TIME: Less than a year

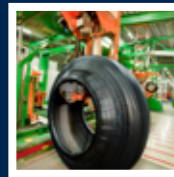


Tyre Plant in India

Energy Savings upto 37.5%

Application : Process Cold Water for Curing Press
Size : Large Industry
Energy saved : 0.52mio kWh/year
Investment : 34.600 USD
Saved Money : 42.000 USD/year

PAYBACK TIME: 1 Year 4 Months



Desalination Plant in Dubai

Energy Savings upto 40%

Application : Sea Water Desalination
Size : Large Industry
Energy saved : 1.30mio kWh/year
Investment : 3.25.580 USD
Saved Money : 3.55.125 USD/year

PAYBACK TIME: Less than a year



Pharmaceutical Company in Dubai

Energy Savings upto 24.58%

Application : Process Cooling
Size : Small Industry
Energy saved : 0.07mio kWh/year
Investment : 30.000 USD
Saved Money : 9.000 USD/year

PAYBACK TIME: 3 Years 3 Months



Pharmaceutical Plant in India

Energy Savings upto 30%

Application : Process Cooling and HVAC Pumps
Size : Large Industry
Energy saved : 0.47mio kWh/year
Investment : 9.000 USD
Saved Money : 38.200 USD/year

PAYBACK TIME: Less than a year