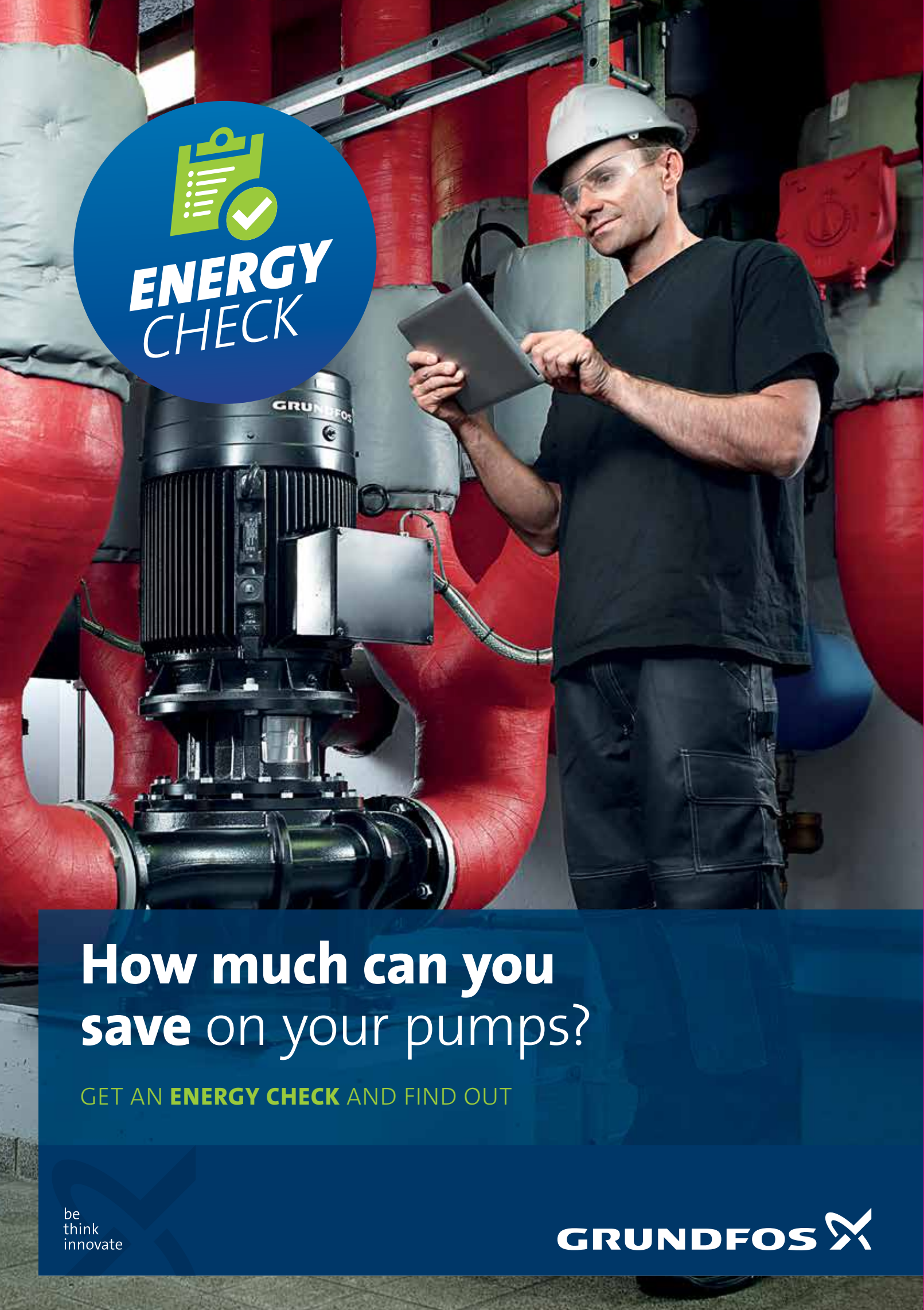


How much can you save on your pumps?

GET AN **ENERGY CHECK** AND FIND OUT

be
think
innovate

GRUNDFOS

If you think pumps are expensive, **consider the costs of running them** ...

Did you know that 85 % of the pump life-cycle cost is related to the daily operation of the pump? And that you can typically save 30-50 % energy by a simple Energy Check of your pumps?

GREAT SAVINGS ARE JUST ONE SMALL STEP AWAY

Pumps are at the heart of your facilities. Day in and day out, pumps make your business run. But they come with a price. Not so much in purchase, but in the daily operation of the pump. In fact, 85 % of the total costs of your pumps relate to the energy used to run the pumps. And there is money to be saved.

An Energy Check of your pumps provides a solid foundation for saving 30-50 % on the operational costs of your pumps. Any installation with old, over-sized, inefficient or unsuitable pumps is likely to hide this kind of savings – and the Energy Check helps you discover the potential.

With substantial savings on the energy bill and with power prices always on the rise, you can expect quick return on investment when you upgrade your pump solution. 1-5 years – and your new pump is paid back, and after that the pump will keep providing savings year after year.

All you have to do to realise the savings hidden in your pumps is to sign up for an Energy Check with your local service partner or dealer – it is easy.

Get an **Energy Check**

To realise the hidden savings in your pumps, Grundfos in close cooperation with selected service partners and dealers offers an Energy Check of your pumps. By a simple registration of your pump installation we calculate potential savings and make suggestions for an energy efficient and high performing solution. You will get an Energy Check report with a full overview of your pump park, its current efficiency and how you can improve it to realise the savings.

THE ENERGY CHECK IS FAST AND EASY, HERE IS WHAT IT TAKES:

1. ONSITE INSPECTION

With your service partner you make a 3-4 hour tour of your pump installations. On the way you discuss specific challenges and the service partner registers information about pump types, age, flow, head and power usage. The inspection requires no down-time on your system.

YOUR INVESTMENT:
3-4 hours for inspection.
No down-time on system required during inspection

2. ENERGY CHECK REPORT

The Energy Check findings are recorded in the Energy Check Report. The report gives you a complete overview of your pump installations, potential upgrades, savings and pay-back time.

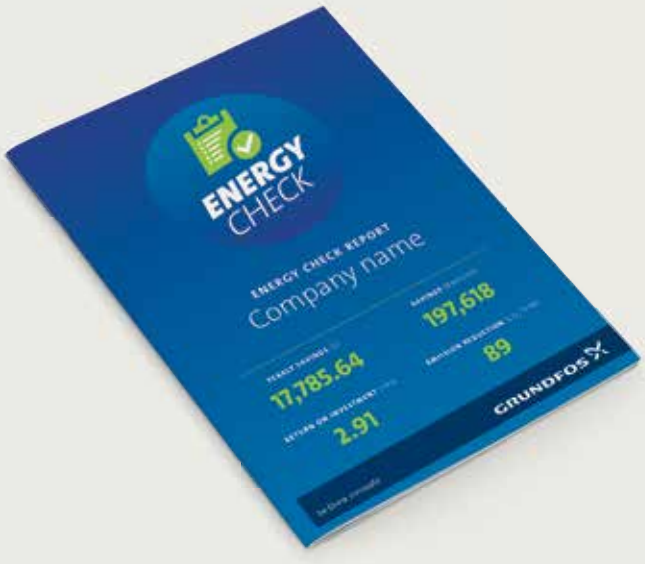
YOUR INVESTMENT:
0 hours, all work done by service partner and Grundfos

3. REALISE SAVINGS

Based on the findings you discuss and agree on potential upgrades and a plan for next steps with your service partner.

You are ready to realise the savings!

YOUR INVESTMENT:
1-2 hour meeting, presentation and discussion of results and actions



WHAT'S IN THE ENERGY REPORT?

- Hard facts about current installation and current operational costs
- Overview of potential savings with new energy-efficient solution, including estimates on:
  - Electricity savings (kWh/yr)
  - Savings on the electricity bill
  - Other savings, maintenance, repairs, etc.
  - Cost of new pump investment
  - Pay-back time (years)
  - CO_2 emission reductions (tons/year)
  - Life cycle analysis of pump installation
- Recommendations for step-by-step implementation plan

How do you **benefit** from the Energy Check?

The Energy Check gives you a better understanding of your pump installation and the potential for savings. Complete with a step-by-step implementation plan for pump replacement, upgrades or modifications you are ready to go.

The Energy Check promises significant savings on operational costs. But that is not all. The recommendations of the Energy Check report will help you comply with energy saving regulations. When you decide to invest in greener and more energy efficient pump solutions it will boost your environmental profile and bring down your carbon footprint.

FINANCIAL BENEFITS

- Typically 30-50 % reductions in energy costs
- Short pay-back time (1-5 years)
- Reduced risk related to increasing energy prices
- Reduced operating and maintenance costs

OPERATIONAL BENEFITS

- Reliable operation
- Low failure rates
- Reduced down-time
- Reduced repair costs
- Complete overview of pump installations

ENVIRONMENTAL BENEFITS

- Typically 30 % reduction of CO_2 emissions
- Green corporate image
- Pump life-cycle analysis and documentation
- Compliance with energy regulation

Are you ready for an Energy Check?

CALL YOUR LOCAL GRUNDFOS DEALER

YOU MADE THE RIGHT DECISION

Six 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 Europe.

ENERGY SAVINGS: **61 %**

OFFICE BUILDING

Application: Heating
Size: 35 circulation pumps
Reduced energy consumption: 29,117 kWh per year
Energy savings: 61.1 %
Investment: € 25,193
Saved money: € 8,225 per year

PAYBACK TIME: 3.06 YEARS

ENERGY SAVINGS: **68 %**

HOSPITAL

Application: Pump systems for heating and ventilation
Size: 77 beds, 39 pumps
Reduced energy consumption: 37,766 kWh per year
Energy savings: 68 %
Investment: € 27,565
Saved money: € 8,110 per year

PAYBACK TIME: 3.4 YEARS

ENERGY SAVINGS: **37 %**

HOTEL

Application: Chilled water air-conditioning, boosting and heating
Size: 5-star with 246 rooms, 8 floors and conference facilities
Reduced energy consumption: 196,000 kWh per year
Energy savings: 37 %
Investment: € 76,000
Saved money: € 23,755 per year

PAYBACK TIME: 3.2 YEARS

ENERGY SAVINGS: **68 %**

PHARMACEUTICAL

Application: Pump system offices and laboratory
Size: Mid-size pharmaceutical company
Reduced energy consumption: 172,416 kWh per year
Energy savings: 68.8 %
Investment: € 118,641.80
Saved money: € 37,008 per year

PAYBACK TIME: 3.2 YEARS

ENERGY SAVINGS: **73 %**

BREWERY

Application: Pump systems for production (Heating, Cooling, Water supply and Water Treatment)
Size: Mid-size brewery.
Reduced energy consumption: 57,136 kWh per year
Energy savings: 73.7 %
Investment: € 31,000
Saved money: € 9,141 per year

PAYBACK TIME: 3.4 YEARS

ENERGY SAVINGS: **48 %**

INDUSTRIAL PRODUCTION

Application: Cold water pumps
Size: Annual flow capacity at 1,644,785 m^3
Reduced energy consumption: 226,200 kWh per year
Energy savings: 48.6 %
Investment: € 56,600
Saved money: € 23,750 per year

PAYBACK TIME: 2.3 YEARS

Meet the energy challenge NOW

Did you know that if all pumps worldwide were replaced with modern, energy efficient pumps, we could reduce global electricity consumption for pumps from 10 % to 6 %?
Do you want to give your contribution to the environment for future generations?

Did you know that 2/3 of all pumps installed today are inefficient and use up to 60 % too much energy?
Are your pumps up to date?

Did you know that the pay-back time of a new energy efficient pump istypically between 1-5 years?
What is the pay-back time of your next pump installation?

Did you know that pumps use up 10 % of the global electricity consumption?
What is the savings potential of your facility?

Did you know that the purchase price is only 5 % of the total life cycle costs of a pump and that the operational costs account for 85 %?
How much can you save on running your pumps?

Grundfos – Your partner in sustainable pump technology

Grundfos is a global leader in advanced pump solutions and a trendsetter in water technology. We contribute to global sustainability by pioneering technologies that improve quality of life for people and care for the planet.

As part of our sustainability effort, Grundfos wants to put energy savings on the agenda when it comes to pump and water technology. Therefore, we invest in providing Energy Checks to businesses worldwide. It is not just a cheap trick to get you to replace your pumps. What we offer is a service performed by our partners to get the most out of the pump installations through replacements, upgrades, adjustments – or just by leaving everything as it is, because it is perfect.

Get more information at **www. grundfos.com/energy**

0914/Strategic Sales Development/WonWon

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