Acquiring a pump system isn’t your biggest investment - keeping it running is. The energy consumed by a pump system accounts for 85% of its total life-cycle costs. This is where Grundfos can help you achieve real savings.

Energy Optimization from a Grundfos Authorized Service Partner provides you with an overview of the life-cycle costs of one or more pumps, facilitating decisions on pump replacement and reducing energy consumption.

Two types of Energy Optimization include an Energy Check and a Pump Audit. An Energy Check uses pump data to determine possible energy savings, while a Pump Audit uses a wider range of operational and system metrics for an in-depth look at optimization potential.

Recommendations for optimizing your pumping system

Acquiring a pump system isn’t your biggest investment - keeping it running is. The energy consumed by a pump system accounts for 85% of its total life-cycle costs. This is where Grundfos can help you achieve real savings.

Energy Optimization from a Grundfos Authorized Service Partner provides you with an overview of the life-cycle costs of one or more pumps, facilitating decisions on pump replacement and reducing energy consumption.

Two types of Energy Optimization include an Energy Check and a Pump Audit. An Energy Check uses pump data to determine possible energy savings, while a Pump Audit uses a wider range of operational and system metrics for an in-depth look at optimization potential.
**GRUNDFOS ENERGY CHECK**

**SAVINGS POTENTIALS OF 30-50%**

At Grundfos, we know pumps and pumping systems; it’s been our primary focus for over 60 years. Our data and experience enables us to size the right pump or system for your application – potentially reducing energy consumption by up to 50%.

To determine potential savings, an Energy Check is conducted by a Grundfos Authorized Service Partner who gathers the operational data, age and CO2 emissions of your existing pumps. An analysis of this data is then conducted by a Grundfos Energy Optimization Technician to determine the energy and cost savings you would receive by switching to more energy efficient Grundfos pumps. A detailed Energy Check report including a life cycle cost analysis and recommendations for optimizing your pumping system is provided to you when the analysis is complete.

**WHAT IS A PUMP AUDIT?**

A Pump Audit is a full diagnosis of your existing pump system. It measures flow, pressure and power consumption during a defined period of time (as determined by local authorities), or for a period that represents the full profile of water demand (typically one week). Data from the analysis is then used to determine the true load profile of the building and calculate the efficiency, return on investment and carbon emission levels of the existing system.

A water bill analysis to determine water consumption rates and a review of the pump engineering drawings are also conducted. This data is then compiled into a recommendations report with details on the savings achievable through a properly-sized system - opening up the door for more utility rebates.

**BENEFITS OF AN ENERGY CHECK**

- You will know exactly how much you are currently spending on your pumping system and how much you could save with Grundfos
- The Energy Check concept improves the environmental profile of your facility and supports you in reducing your energy and water consumption
- Your facility will meet design standards for high energy pump systems

**AN ENERGY CHECK INVOLVES A FEW SIMPLE STEPS:**

1. **INITIAL CONTACT APPOINTMENT WITH CONSULTANT**
   - During this meeting, we pre-qualify your facility through a discussion on the current pump types, applications, operational flow, sizes and ages of any existing pumps. This analysis provides insight into potential areas for improvement.

2. **DIAGNOSIS ON-SITE INSPECTION**
   - A walkthrough of your premises allows us to document a preliminary list of performance data and installed pumps to pinpoint areas requiring optimization.

3. **FULFILMENT SYSTEM OR PUMP CHECK**
   - A comprehensive Energy Check of your entire system or selected pumps is carried out and a report on potential energy savings is created based on the assessment.

4. **PROPOSAL QUOTATION**
   - A quotation for an optimized system or pump is prepared based on the Energy Check report and the preliminary data collected at your facility.

5. **ASSESSMENT RESULTS PRESENTED**
   - The Energy Check report and proposal are presented - you then have the opportunity to select the right pump solution for your system or decide if you wish to conduct a Pump Audit for exact measurements.

6. **FOLLOW-UP LEARNINGS**
   - We follow up on the service performed to ensure optimal service delivery and satisfactory pump performance.

**Click Here to request Grundfos service**

GRUNDFOS AMERICAS
Brookshire, TX 77423
www.grundfos.us