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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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# Identify your company's potential for energy efficiency and sustainability

Energy and Environmental Solutions

## Answers for infrastructure.

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly

growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

*"We are the preferred partner for energy-efficient, safe and secure buildings and infrastructure."*

- ★★★★★ **Excellence**  
Organization monitors systems and processes on a regular basis, improves them continuously and is recognized as an industry leader
- ★★★★ **Competence**  
Organization has implemented improvements, systems and processes and monitors/improves them continuously
- ★★★ **Understanding**  
Organization and individuals are working on improvements and have started implementation
- ★★ **Awareness**  
Organization and individuals have identified the need to improve processes for more energy efficiency
- ★ **Innocence**  
Organization is not aware of alternative processes for better energy efficiency



Energy Health Check Plus rating system



Energy analysis in 10 key areas with 22 categories



Relationship between investments, improvements and EHCplus rating system

## Set a starting point for your efficiency roadmap

With Energy Health Check Plus you can assess your energy-related processes and benchmark the results. Potentials to reduce energy costs are identified and recommendations for a sustainable energy management compiled.

**Strategic assessment and recommendations**  
Like any successful business process, achieving energy efficiency and sustainability begins with a realistic assessment of the current state. Siemens Energy Health Check Plus (EHCplus) delivers a comprehensive overview of your current energy-related processes and energy management maturity level. In addition, it provides clear ways to maximize efficiency while maintaining a safe and comfortable environment.

EHCplus is your first step in understanding exactly how your energy budget is spent. During this strategic assessment your energy and sustainability goals are evaluated and recommendations are given on how to reduce energy costs and to improve your green image.

**In-depth knowledge supports best practice goals**  
The analysis conducted as part of Energy Health Check Plus assesses the current practices in your facilities in 10 key areas with 22 categories. As a standardized assessment of your energy use, EHCplus

allows you to benchmark your results with global industry averages including operations, technology, infrastructure, people and processes.  
  
This unique approach provides you not only with a company-wide view, thanks to Siemens' global presence and its regional teams of energy efficiency experts it is particularly impactful if your real estate portfolio is geographically dispersed, either regionally or globally.

While strategic in approach, EHCplus consists of two easy steps:  
1) Executive interview: Conducted by certified energy experts by evaluating the 10 key areas to help gain valuable insights about your current status.  
2) Energy performance analysis: A one-day follow-up performance analysis designed to collect important data about your energy management systems, energy supply, consumption patterns and other energy-related processes. This step is essential to determine the potential for saving energy.

## Life Cycle Management for optimal performance

**Detailed targeted outputs**  
The result is an EHCplus report that outlines the best practices you already follow and describes those you should consider adopting. You also receive complete energy benchmarks for your facilities portfolio. The helpful EHCplus five-star rating system defines each facility's current status and identifies any need for improvement or investment.

With all this data at hand, your company is ready to take the next step towards meeting your sustainability goals as the information can be used to develop a meaningful energy efficiency roadmap.

**Life Cycle Management ensures optimal lifetime performance**  
As part of the Siemens life cycle approach for buildings, EHCplus identifies potentials within your facilities in the light of each facility's usage and operation. Furthermore, national requirements and international standards are considered in the approach such as ISO 50001 for energy management systems.

This gives you a window into the current status of your current status as well as future needs according to our experience with similar buildings in your industry or region.

**In-depth knowledge from local experts**  
With decades of experience and a legacy of stability and innovation, Siemens has in-depth knowledge of energy efficiency and sustainability requirements across all industries. In the past 10 years, we have optimized thousands of buildings worldwide, reduced 1.2 million tons of CO<sub>2</sub> emissions, and achieved nearly €2 billion in energy savings. Our professionals have assisted companies in gaining environmental certifications, including LEED Platinum-NC in the United States, GreenBuilding Partner recognition in the European Union and Energieausweis, the European building performance certificate.

- Highlights**
- Holistic analysis of current energy practices versus global benchmarks
  - Only available from Siemens: company-wide view, either regionally or globally
  - A five-star rating system that ranks current best practices
  - Foundation for your future energy efficiency strategy and programs
  - EHCplus considers international standards such as LEED or ISO 50001