



“Intelligent Process to Energy integration through Hybrid Solutions”

Our Approach

“The cheapest energy is that which is not necessary to be produced”

With a holistic approach to energy solutions, AEC understands the inherent need to determine the viability of an energy project by initiating a solution that offers not just a power supply, but also offers operational and financial benefits.

By analysing your power requirements together with your operation principles, AEC is able to technically conceptualise a solution that can be integrated into your everyday operation.

Upon evaluating the technical performance of a conceptual solution, AEC is able to determine the financial viability of a project by integrating the costs of a solution’s setup and operation together with an array of financing options – resulting in a project that offers high returns with reduced payback periods.



Energy Efficiency Audits

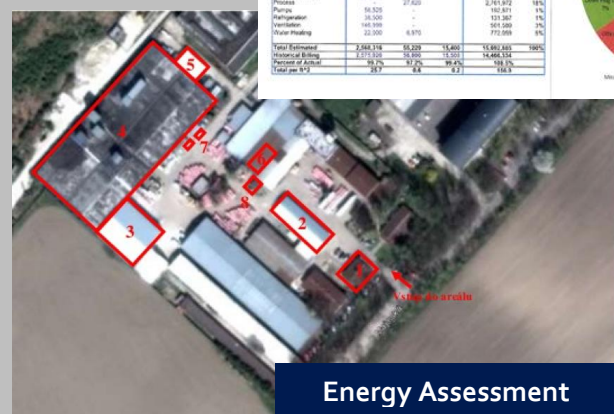
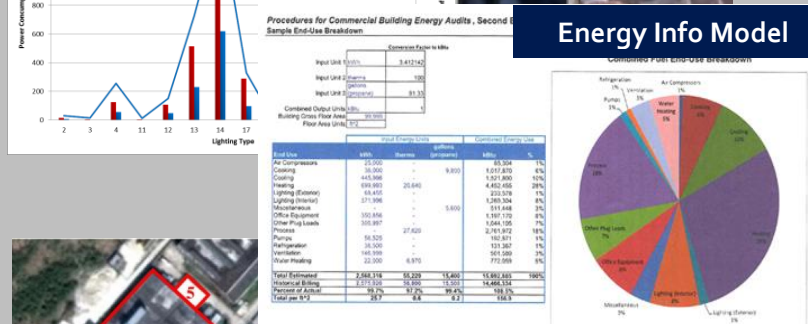
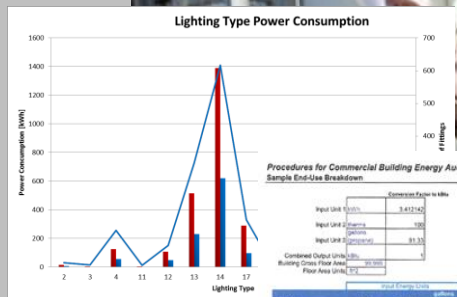
Energy and Efficiency Audits

Central to AEC’s approach is the Wulfinghoff five stage audit model which incorporates the optimization of both essential and non-essential assets. As the drive for energy efficiency grows so too does our understanding and approach. Ultimately the project success is the alignment of your requirements with the focus being:

- To use energy more efficiently and reduce energy wastage
- To differentiate between essential and non-essential applications
- To propose alternative methodologies that can result in savings
- To identify process optimization opportunities
- To ensure sustainability in the proposed solutions

The output of this audit process, is to identify and evaluate possible solutions. These solutions are decidedly categorized and can offer both short term, low yield and long term, high yield opportunities, with a major focus on the maintainability of an implementation. By applying our tailored model to your facility, AEC is able to achieve:

- The immediate optimization of non-essentials (Lights, AC, etc.)
- The short-term optimization of essentials (VSD, Boilers, etc.)
- The integration and delivery of committed IRR, not losing speed
- KPI’s for continuous monitoring and maintenance
- Ensuring alignment to Kyoto and Governmental targets



Enabling the Decision Making Process

AEC is fully equipped with the expert experience and technology knowledge to investigate and analyse the viability and integration of your energy needs in your day to day operations, enabling the decision making process with clear reviews of the risks and potential.

AEC is your ideal partner to take this first step to your project realization.