Company Profile
Energy Management For Industrial Plants

CREATIVE, hands-on, independent
Who We Are
An independent engineering company specialised in energy management for the industrial sector

What we do:
- PLAN & DESIGN
- IMPLEMENT & OPERATE
- FINANCE (Contracting)

engineering solutions that increase energy efficiency and reduce CO₂ emissions in industrial plants

Our Success Story:
- Completed over 120 successfully energy management projects
- Across major energy intensive industries
- Leading to a total energy cost reduction of more than 70 million Euro per year

Our Team:
- Multinational team of dedicated energy, design and process engineers

Our Offices:
- CENDID Energy Solutions GmbH & Co. KG Freiburg, Germany
- CENDID Energy Solutions Southampton, UK
- CENDID Energy Solutions Pretoria, SA

CENDID Energy Solutions Pte Ltd Singapore
Global Reach

We have delivered over 120 successful projects around the world leading to a total energy cost reduction of more than 70 million Euro/a.

- Drive optimization for the cold rolling mill in a steel plant in West Europe, saving 11.4% of yearly energy costs.
- Implementation of variable speed drive equipment along the handling process resulted in a payback period of less than 2 years at mining site in South America.
- A waste heat recovery system at a paper plant in Asia, with a payback period of 1.5 years.
- Full scale energy assessment of wafer fabrication plant leading to a cost reduction of more than 14% of annual energy cost.
- Trigeneration project in a tobacco plant in Africa resulting in yearly energy savings of 1.5 million EUR.
CENDID’s view on Energy Management

**Getting the most out of energy saving potentials**

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**The Energy Management Triangle**

- **Management & Administrative Processes**
  - Strategy
  - Finance
  - Procurement
  - Logistics
  - HR
  - ...

- **Utility Processes**
  - Electricity
  - HVAC
  - Vacuum
  - Compressed Air
  - ...

- **Production Processes**
  - Pasteurizing
  - Chilling
  - Drying
  - ...

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- All three areas are impacting energy usage and efficiency
- Dependencies between the three areas – hidden costs
  - e.g. utilities only required because consumed in production process
- Effectiveness and scale of energy efficiency measures can be optimised when considering all areas
  - e.g. smaller trigeneration plant required once consumption is optimised
- Requires a comprehensive energy management system (in line with ISO 50001) to realise majority of benefits
Our Solutions

Our Energy Management Solutions offer a complete suite of end-to-end solutions

Energy Management
- Energy Consulting
- Project Development & Engineering
- Project Realisation & Service

Energy Contracting
- Energy Performance Contracting
- Energy Supply Contracting

Specialised Solutions
- Co and Trigeneration Systems
- Renewable Energies and Biomass
- Metering and Monitoring Systems

Customized Industry Solutions

Integrated Suite of Energy Management Solutions
What Our Customers Say About Us

“We are impressed by CENDID’s level of competence and professionalism when it comes to energy management. Apart from their know-how and international experience, a major criterion for choosing CENDID has been their high level of flexibility and the independence from product manufacturers and energy providers. I sincerely recommend CENDID as a value added partner to any energy management improvement efforts.”

Hans-Werner Fuchs – Global Manufacturing Excellence Manager @ British American Tobacco

“Choosing CENDID was an easy choice for us. Right from the beginning, CENDID was able to propose a clear strategy on the plant asset management system and hence help increase our revenue. The targets set were easily achieved thanks to the level of enthusiasm for their work. Despite the language and cultural differences, the CENDID team adapted very quickly. Their professionalism and seamless implementation of their ideas reaffirmed our initial faith in CENDID.”

Project Leader @ Hyosung

“CENDID did a great job for the energy management application. Their solution met all our expectations. CENDID’s creativity and passion for the project was infectious, making them really fun to work with. The high level of competence can only come from a team that has rich international experience in industrial consulting and engineering.”

Project Manager @ Siemens
Contact Us

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