

Co & Trigeneration

Power, Steam & Chilled Water Solution



Why pay an inefficient and expensive electricity supplier when you can maximise energy output and minimise cost with a co- or trigeneration strategy. CENDID co-and trigeneration plants save money by tapping on the heat and steam produced in electricity production as important energy sources.

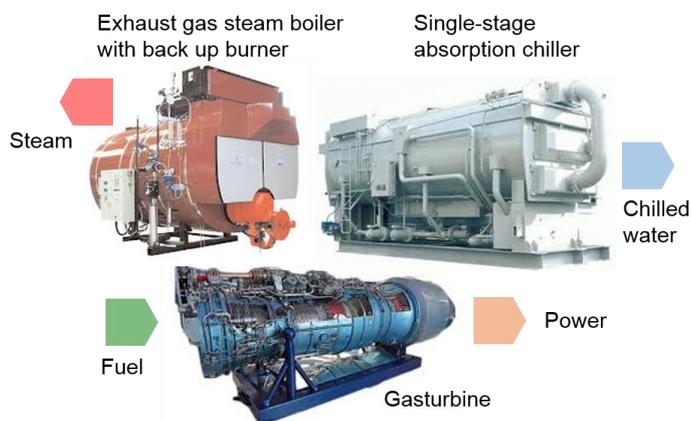
Features

- Supply of highly efficient power, heating and cooling
- Choice of different package sizes to meet your requirements from 1.6 MWeI up to 18.4 MWeI
- Units are operated heat or power guided according to your best fit-in strategy
- All-in one solution from feasibility study, initial planning, design, FAT, construction supervision, up to commissioning and hand over
- Solutions cover proven technology with recommendations for best operation and maintenance

Benefits

- Provision of energy demands at a fraction of the cost of conventional installations
- Matching your demand with latest technology
- Substantial improvement of your carbon foot print
- Additional installations enhance back-up capacity and goes along with factory expansion plans
- Modular systems allow you to match demand as required
- CENDID support in financing solutions

Overview of Tri-Generation System



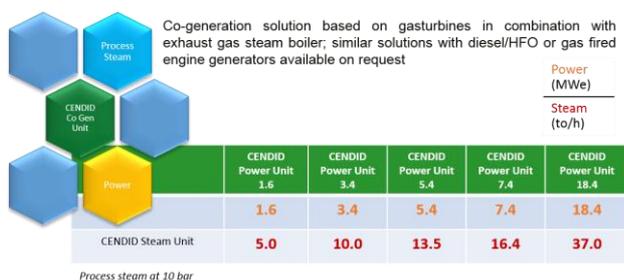
Consider investing in co-generation or tri-generation if you suffer from:

- High energy prices
- Dependence on a unreliable energy supplier
- High greenhouse gas emissions that is damaging the company's sustainability index
- High power generation operation costs due to low efficiency

CENDID helps you consolidate power generation and save energy

Co-Generation

Your production requires power and heat/steam. Our co-generation solutions are the perfect match. Simply define your process steam base load and our team will support you to define the right units.

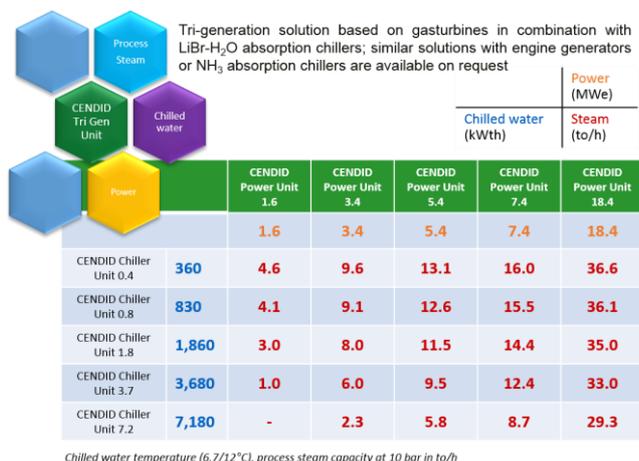


Our engineers help you to establish a strong business case, considering your energy prices and existing infrastructure utilising sensitivity analysis methods. Once the business case is approved, CENDID begins the detailed engineering of the system solution and delivers it as a turn-key solution. This includes a well-established stepwise structured approach with intermediate milestones:

- Initial planning
- Design planning
- Approval planning
- Execution/Functional planning
- Preparation of functional award
- Participation of the award (FIDIC based EPC contract)
- Object/Construction supervision
- Plant documentation

Tri-Generation

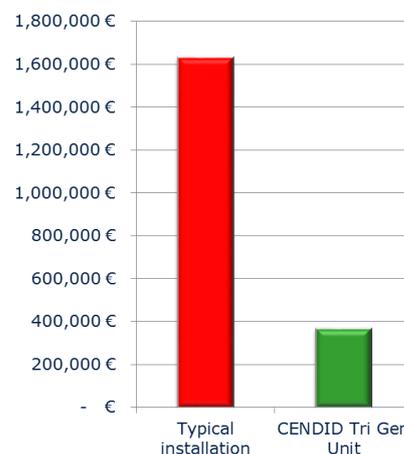
Your production sites require energy for production, heating and cooling. Our tri-generation solutions are the perfect match. Simply define your process steam base load and our team will support you to define the right units



Comparison of CENDID Tri-Gen vs. typical boiler plus a chiller installation

Our tri-generation solutions are can deliver annual cost savings of over 70% compared to typical individual installations of boilers and chiller combinations. Our experts can quickly calculate a business case based on your specifications and show you how much savings you can achieve.

Overview of total Costs



Our co/tri-generation solutions can be also combined with our innovative energy supply solutions from renewable energy sources like biomass and biogas. Talk to our experts to learn more.

The CENDID way

The CENDID optimisation process begins with a detailed analysis of the entire consumption profiles for power, heat and chilled water at your site.

Contact

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