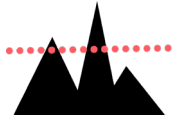
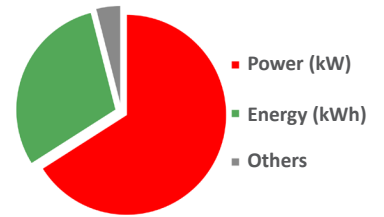


## Turnkey solution to significantly reduce the energy bill of commercial & industrial companies.

### What do I pay for?

Two main factors compose the energy bill: power (kW) and **energy** (kWh). Reducing the energy consumed can, for example, be done by analysing the most **consuming equipment** in the company and try to carry out the same operation with less kWh.



Decreasing the **power** is much more complicated. The cost of power depends on the **peak consumptions** of the company for a full year. If these peaks are well above the average consumption and do not last too long, Atlas can offer you significant savings by **shaving** these **peaks**.

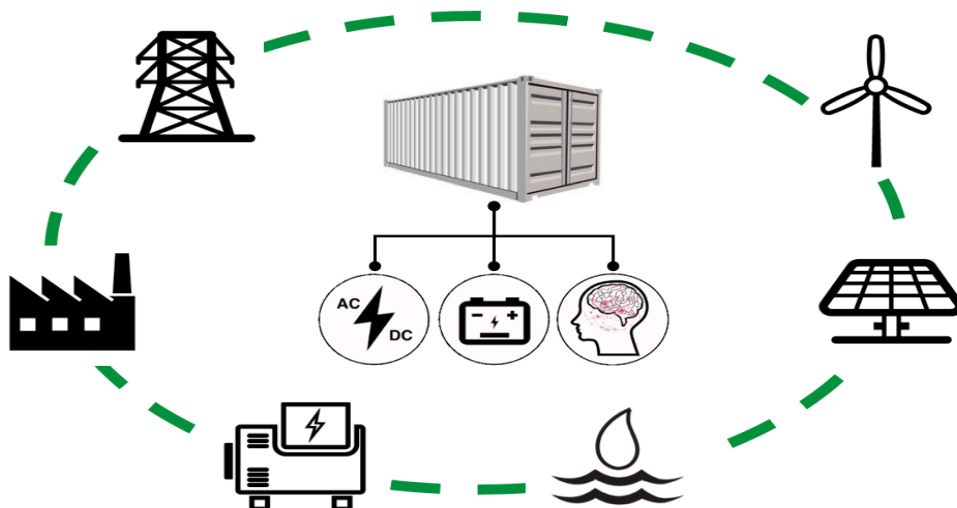
### Installing renewable energies?

Renewable energies (photovoltaics, wind turbines, hydro power, etc.) can help you reduce total energy consumption. But to maximize profitability, companies must **consume as much of this energy as possible** (i.e. increase the “self-consumption ratio”). But there is no reason for the renewable production to perfectly match with the energy consumption. This is why Atlas, including storage capacity, is the ideal **complementary solution** for this.



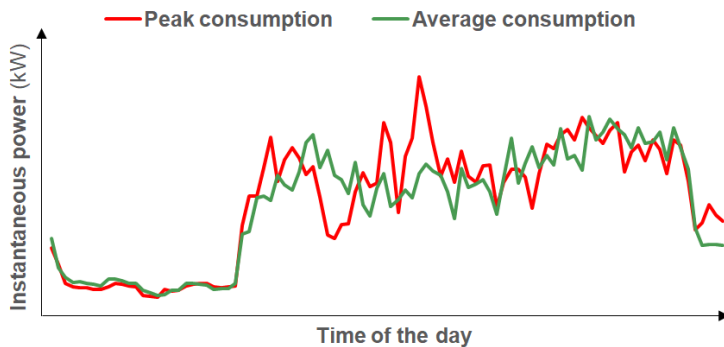
### Presenting Atlas

To both maximize the self-consumption ratio and shave the peaks, CE+T Energrid combined our Hercules power **converters**, **batteries** and **EMS** (Energy Management Software) to offer a turnkey solution. This highly **flexible** solution can be adapted to best meet the specific requirements of commercial and industrial companies in order to optimize energy savings.



## How much can I save?

There is no easy answer to this question simply because each energy consumer is unique and depends on many parameters (e.g. energy cost, peak profile, self-consumption ratio, etc.). But we can give a first answer with a **business case**. The company studied already consumes 88% of the renewable energy produced, but the peaks can reach 1.5 times the average consumption. In this case, the **Return On Investment (R.O.I.)** of the project is about 6 years and the total **profitability** is **24,800€** as detailed in the table.



After this 10-year guarantee period, the equipment will continue to generate savings. We estimate for this specific project an overall lifetime of up to 15 years, representing a minimum of 5 years of extra savings.


### Company presentation

- **Activity:** Metal processing
- **Location:** Belgium
- **Renewable production:**
  - Capacity: 160 kWp
  - Production: 138 MWh / year
- **Consumption:**
  - Average (operating hours): 300 kW
  - Peak: 452 kW
  - Consumption: 1,100 MWh / year

### Profitability

Investment	36,200€
Annual maintenance & EMS	1,400€
<b>Total Expenses (10 years)</b>	<b>50,200€</b>
Annual savings	7,500€
<b>Total Revenues (10 years)</b>	<b>75,000€</b>
Payback time	6.3 years
<b>Project profitability</b>	<b>24,800€</b>

## Securing your critical loads

 The equipment used in the Atlas solution can be used in parallel as a backup solution to **secure** your most **critical loads**. Saving on the bill and securing critical loads with the same equipment can obviously save you a lot of money compared to two separate solutions.

## Alone or with other users?

The first installation of the Atlas solution has been made with partners in Mery (Belgium). In this case, **three companies** with a hydroelectric plant and photovoltaic panels were connected together to **create a microgrid**. In this case, 640 kW of power converters and 340 kWh of batteries have been integrated into a container.



## Discover more?

If you want to know more about the Atlas solution or discover other interesting features (such as the resale of renewable energy production via an aggregator, take advantage of fluctuations in the price of electricity in some countries or use more power than the grid utility can offer you), contact us!

Watch our video 



Product datasheet



Contact us

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 [www.cet-energrid.com](http://www.cet-energrid.com)