

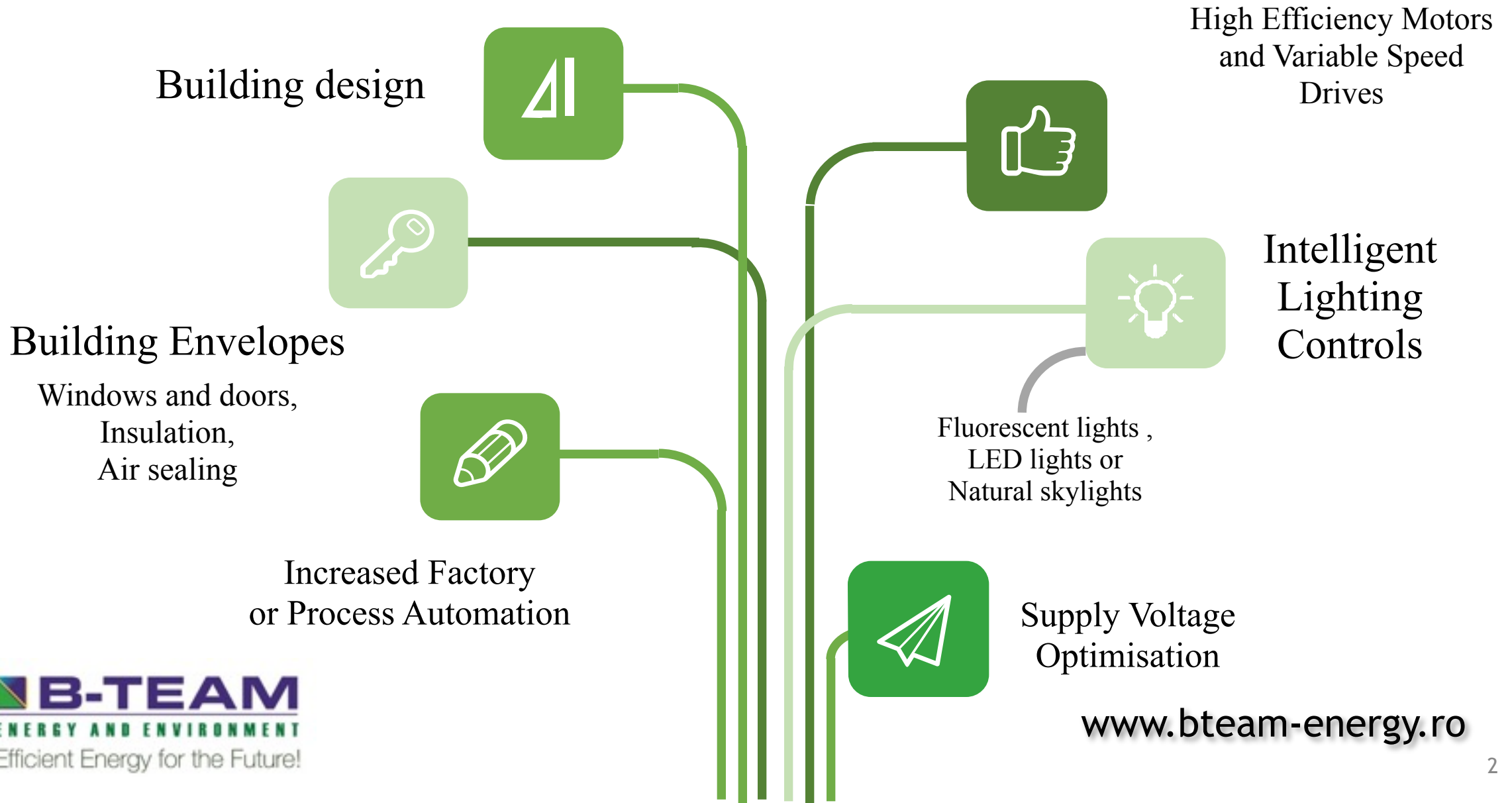


EFFICIENT ENERGY FOR THE FUTURE

How to obtain substantial savings with electricity, heat and cold

Energy Efficiency - the goal to reduce the amount of energy required to provide products and services

What solutions do we have?





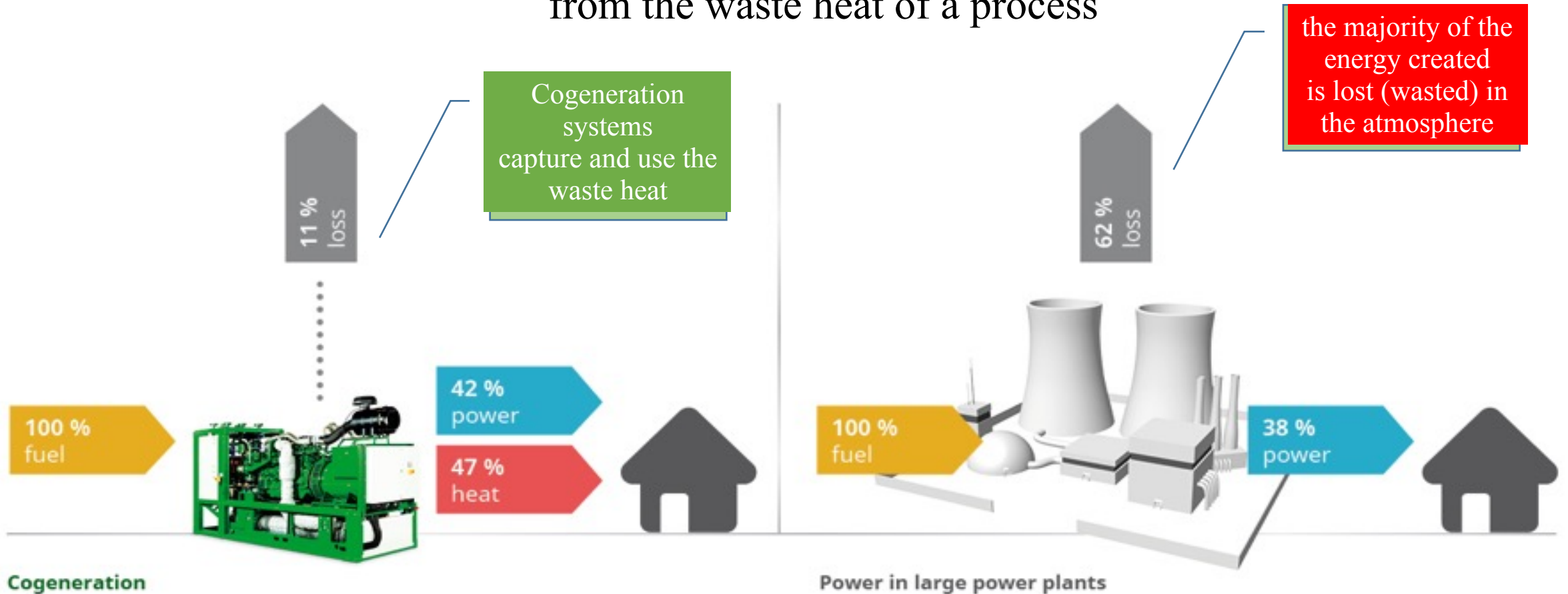
But for a sustainable industry we also need

Heating and Cooling Technologies

- Space heating
- Water heating
- Space cooling
- Solar thermal technologies

Cogeneration (combined heat and power)

Cogeneration, also known as combined heat and power, is the production of electricity and heat at the same time. It can also be the production of electricity from the waste heat of a process



What direct benefits do you have with B-Team Energy and Environment cogeneration?



Efficiency Benefits

Less fuel to produce a given energy output, and avoids transmission and distribution losses



Reliability Benefits

Electric and thermal energy to the site on a continuous basis



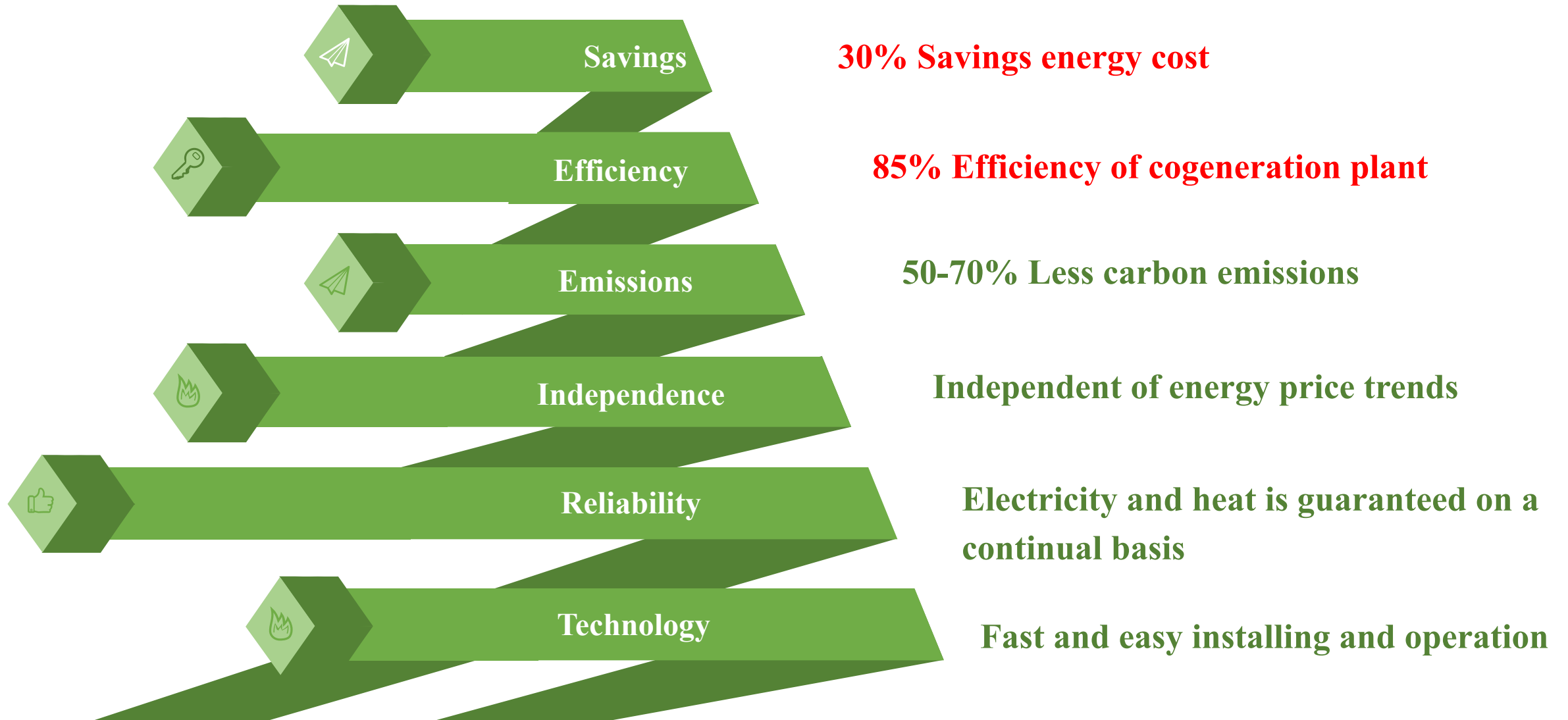
Economic Benefits

CHP can save facilities considerable money on their energy bills due to its high efficiency

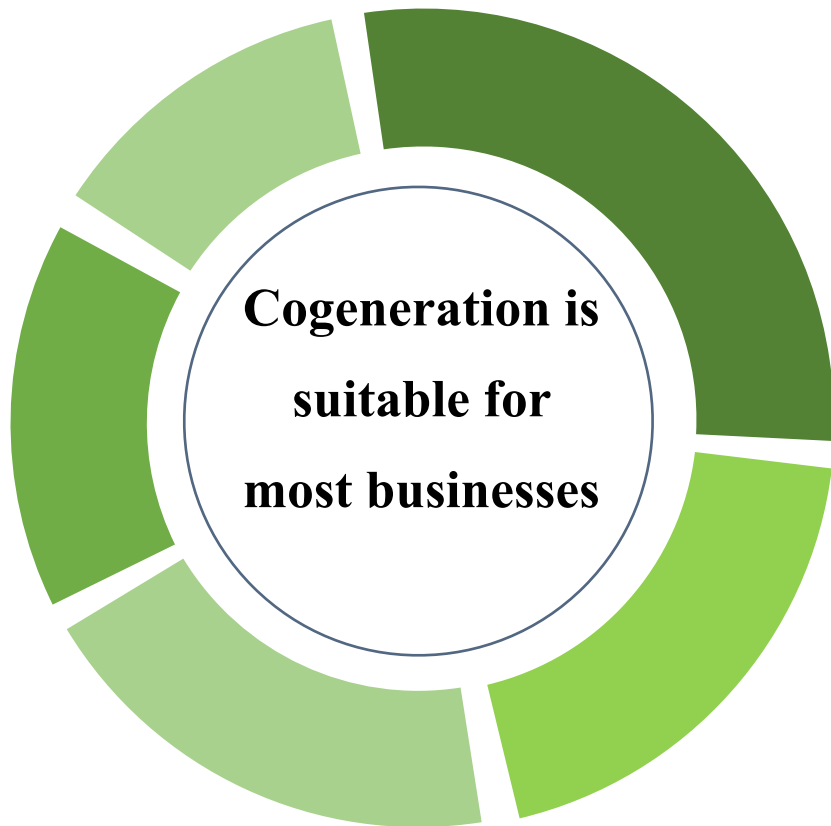


Efficiency of cogeneration plant can reach **85% or more**

What direct benefits do you have with B-Team Energy and Environment cogeneration?



Will cogeneration work for me?

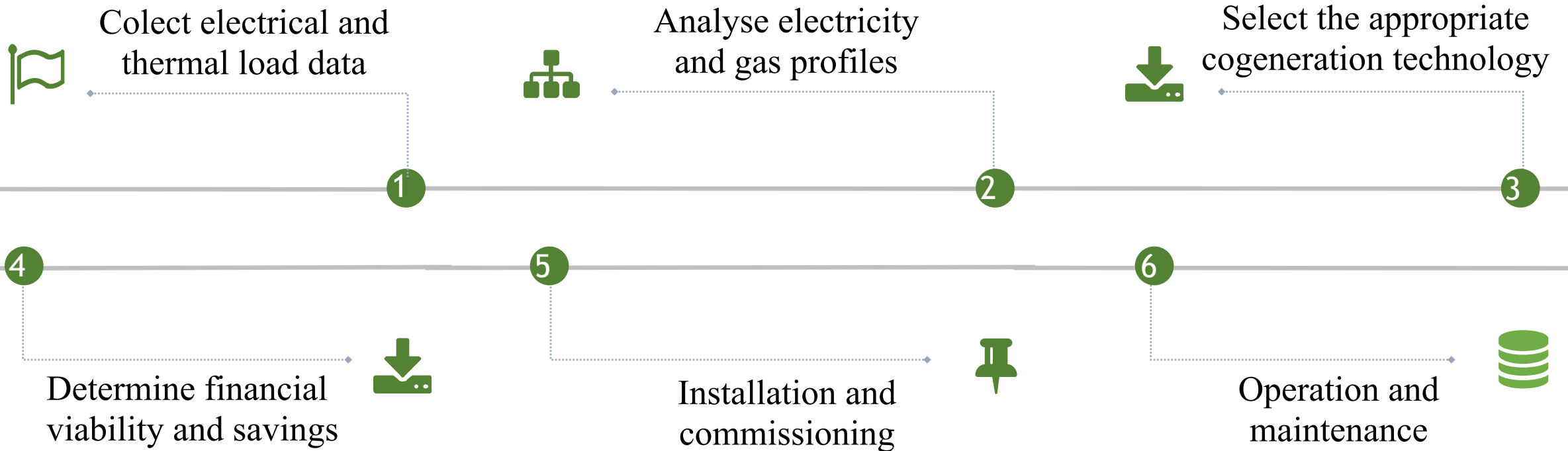


Facilities that are most likely to benefit from cogeneration are those that use large quantities of thermal load (hot water, heat, steam or chilling) and electricity simultaneously.

- ✓ Hospitals;
- ✓ Food and beverage processors;
- ✓ Chemicals and plastics producers;
- ✓ Pulp, paper and fibreboard manufacturers;
- ✓ Metals processors;
- ✓ Data centers;
- ✓ Hotels and shopping centres;
- ✓ Universities;
- ✓ Large commercial buildings;
- ✓ Transportation
- ✓ Agriculture Area
- ✓ Residential

How to develop your cogeneration project step by step

Each organisation has **a unique energy and operational profile** and a appropriate sizing and selection of equipment is the most critical factor to the **success of any cogeneration project**



For every step you take we will work closely with you

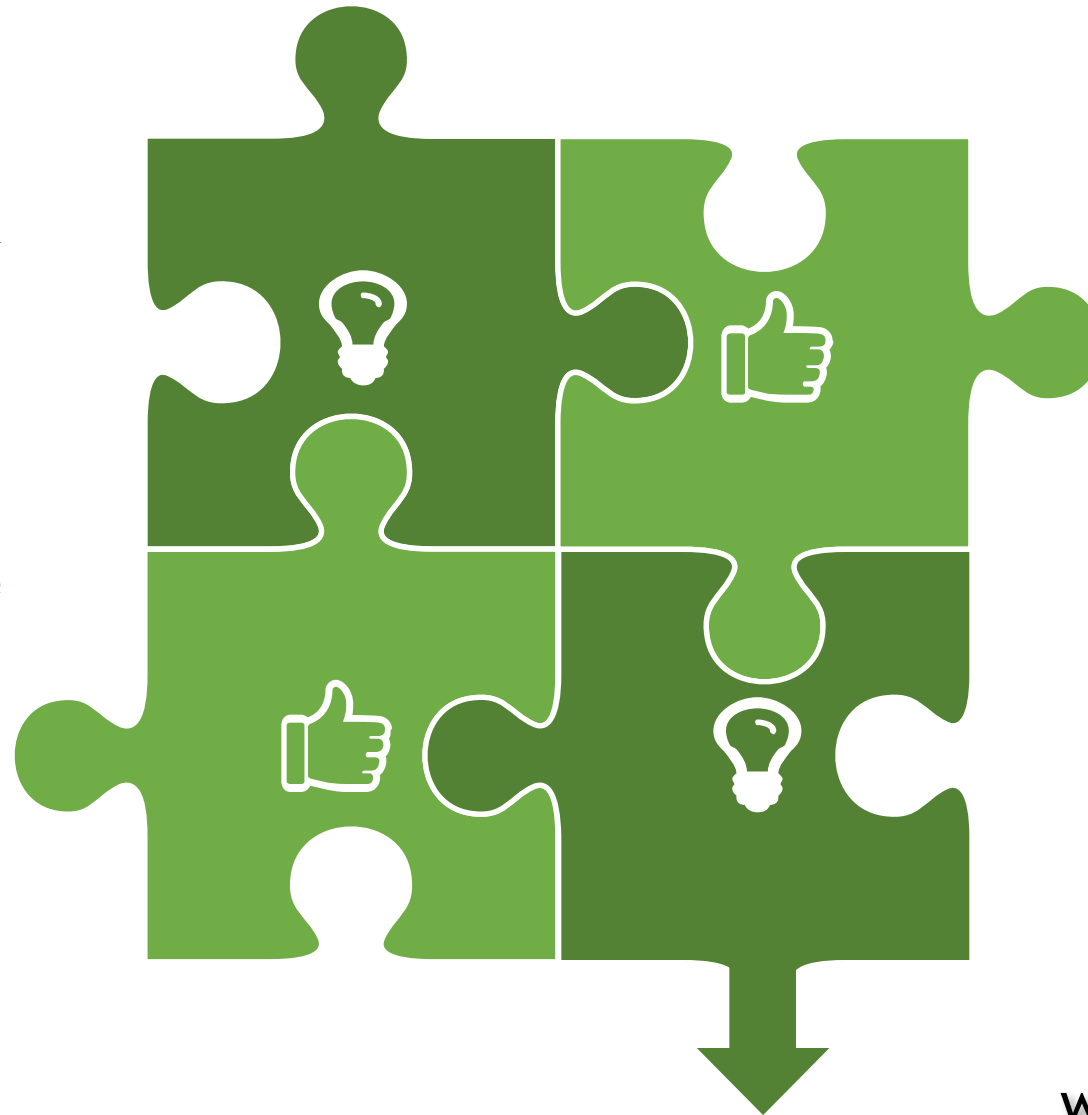
We are ready with complete expertise and services to assist you in evaluating cogeneration for your facility

Conceptual design

Preliminary and detailed engineering design services

Legal and Financial Assistance

Financing solution for your project and investment opportunities



Equipment supply

We supply cogeneration and trigeneration units

Installation, services and maintenance

Regular maintenance services according to the plan for each equipment

What recommends us?

As a B-Team Consult and Services group division, **B-Team Energy and Environment** is guided by the same long-term vision. Our experience and performance was consolidate in time through our partnership and successful projects.



-
- ◆
- Gherla Penitenciary 150 KWe, natural gas
 - Lugoj Waste Water Plant 100 KWe, biogas
 - Hotel Parc, Buzias, 200 KWe, natural gas
 - Waste Water Plant Fetesti, 100 KWe, biogas
 - Waste Water Plant Petrosani 2 x 190 KWe, biogas
 - Waste Water Plant Constanta, 370 KWe, biogas

What recommends us?

Biogas cogeneration equipment, 100 KWe



What recommends us?

Natural gas cogeneration equipment, 200 KWe



For any questions we are at your disposal

What would be the normal payback period?

What are the main criteria for sizing a CHP plant?

What is the delivery time?

What types of cogeneration systems are?

Who is responsible for installing and commissioning of the cogeneration equipment?

If I can't afford it now, what are my investment options?



B-Team Energy and Environment technology and equipments

- A Cogeneration equipments
- B Biogas Technology
- C Biomass and waste technology
- D Steam turbines
- E Chillers with adsorption



Our equipments come with an optimized
degree of efficiency
currently the highest on the market!

Many customers choose and trust ESCO



ESCO = Energy Services Contracting Company

An **ESCO** is a company that offers energy services which may include implementing energy-efficiency projects (and also renewable energy projects) and in many case on a turn-key basis.



Energy services include a wide range of activities, such as:



- energy analysis and audits,
- energy management,
- project design and implementation,
- maintenance and operation,
- monitoring and evaluation of savings,
- property/facility management,
- energy and/or equipment supply



The ESCO designs and implements the project and guarantee at least 10% energy savings

The logo icon is a square divided into four quadrants by a diagonal line from the top-left to the bottom-right. The top-left quadrant is blue, the top-right is yellow, the bottom-left is green, and the bottom-right is white.

B-TEAM

ENERGY AND ENVIRONMENT

Efficient Energy for the Future!

Make the most of your energy

Now we have the technology that can create a sustainable future

Let's build that future together!

 **B-TEAM**

ENERGY AND ENVIRONMENT

Efficient Energy for the Future!

www.bteam-energy.ro

