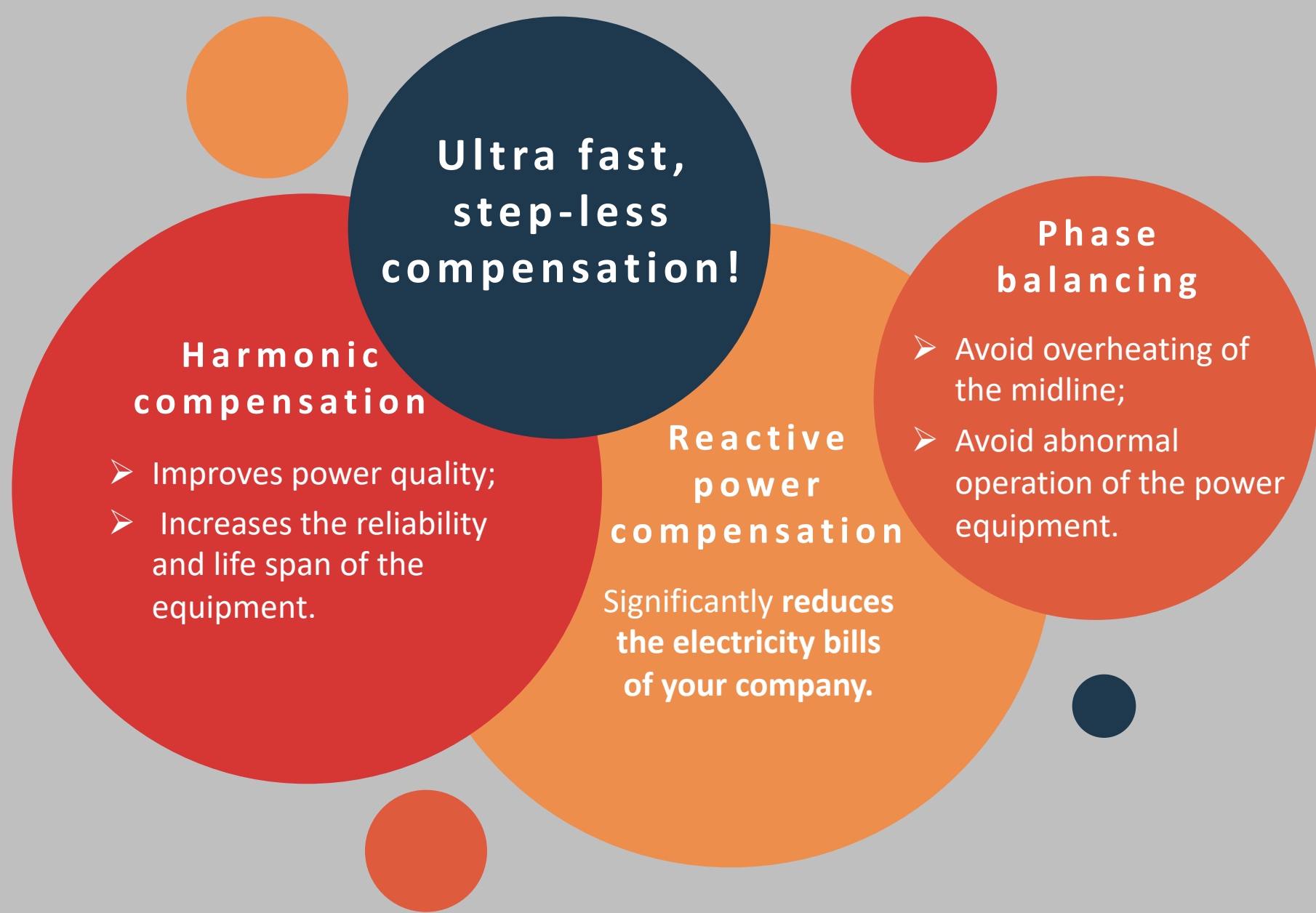


# ADVANTAGES OF USING

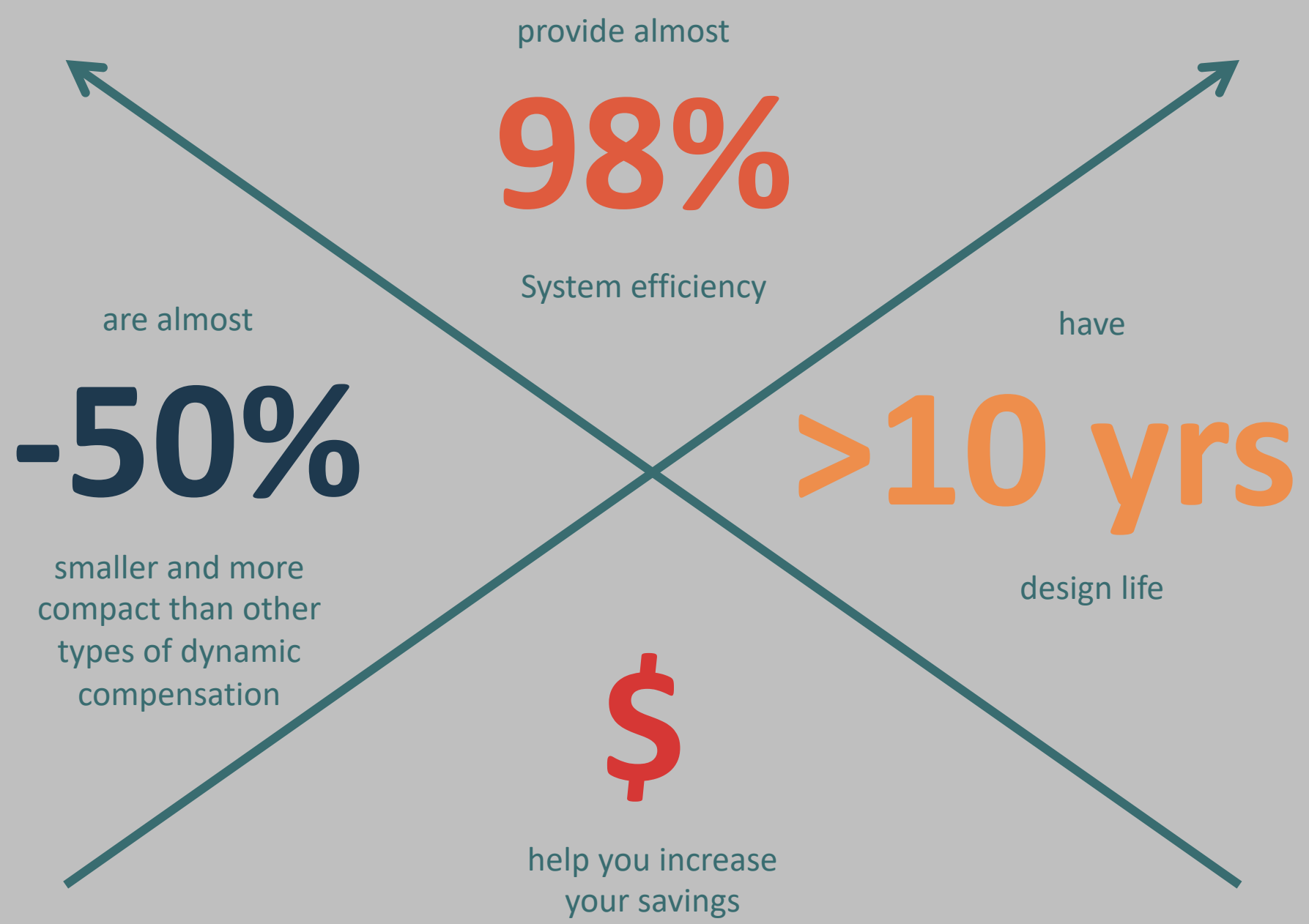
## Gruppo Energia dynamic compensation



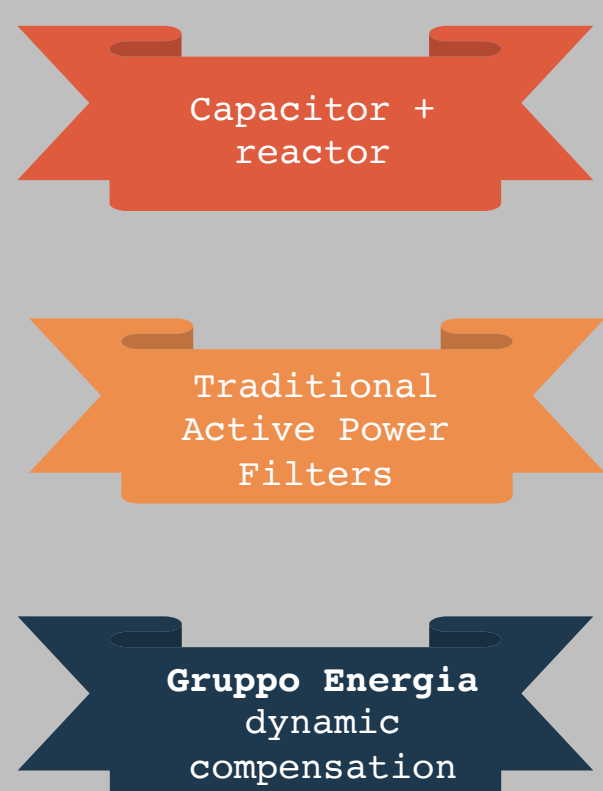
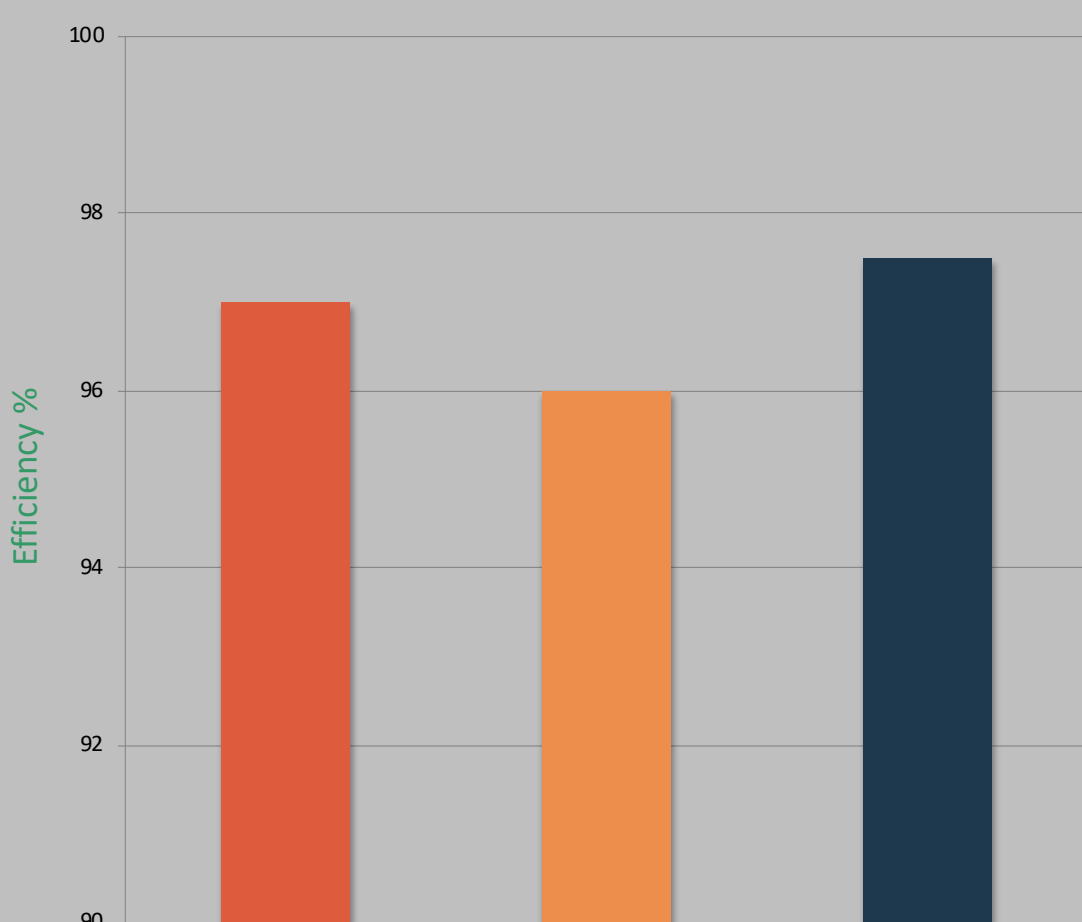
Did you know that **harmonic frequencies in the power grid are the main cause of power quality problems**? Now you can easily solve these problems by using only **one device** that can provide:



Our dynamic compensation solutions...



Gruppo Energia dynamic compensation solutions (Active Harmonic Filters and Balance+SVG) are compact, easy to use and have the highest efficiency.





# SAVE MONEY

## Gruppo Energia filters:

- Have a **long service life**. Traditional compensation devices have a short service life and would normally need to be replaced after only 3 years;
- Require almost **no maintenance** (very small maintenance costs);
- Have a **small consumption**;
- Can compensate **both inductive and capacitance loads**, so you **don't need to buy additional devices**;
- Enable you to increase your savings by **reducing fuel consumption** in generators and **energy charges**;
- Prevent you from receiving penalties for reactive power. Thanks to our Filters, you can **improve Power Factor and could save up to 20 %\***.



# SAVE TIME



- Maintenance time is usually < 15 minutes;
- Easy, modular expansion;
- Easy to use smart communication: collect and analyze data using WI-FI or GRPS.

# HIGH RELIABILITY AND EFFICIENCY

- Improve safety, avoiding resonance phenomena;
- Efficiently and continuously compensate regardless of the capacitance/inductive loads;
- Long life;
- Almost 98% system efficiency;
- Highest power density of the industry (reduce system investment and operating costs);
- Early warning monitoring function;
- Flexible grid-connected technology;
- Maximum system reliability.



# FAST, STEP-LESS COMPENSATION

- Ultra fast harmonic and reactive compensation;
- Harmonic and three-phase hybrid compensation mode;
- Continuously adjusts reactive power in dynamic bidirectional mode.



**Traditional compensation devices**

**VS**

**AHF/SVG**

