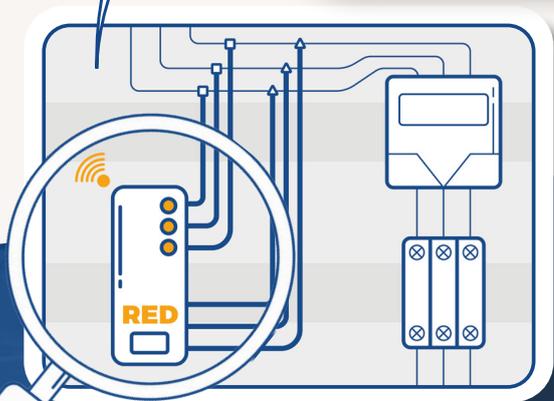
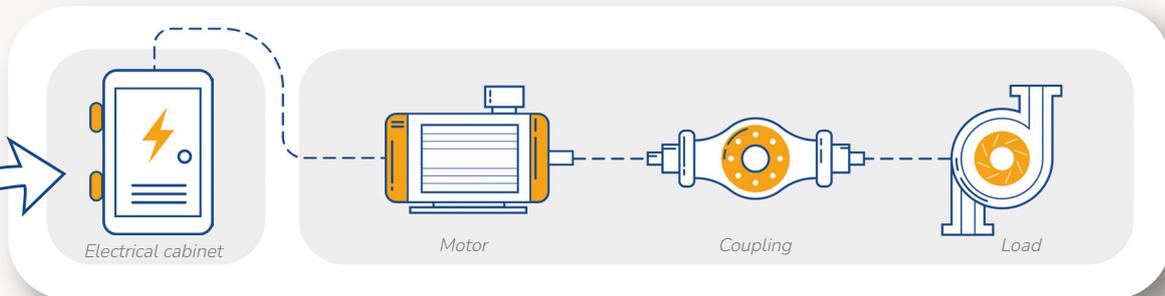




# PREDICTIVE MAINTENANCE ENERGY OPTIMIZATION

Insens' mission is clear. **To eliminate** unplanned production downtime and **reduce** the electrical overconsumption of rotating equipment in industry.



## What is RED ?

**1 sensor** for the entire drive train

Inside the **motor control cabinet**

Detect **electrical** and **mechanical** faults

Suitable for **dangerous** or **hard-to-reach** areas

## What can you expect ?

**+7%**

AVAILABILITY

**-15%**

ENERGY CONSUMPTION

**-15%**

CO2 EMISSIONS



MINING



PETROCHEMISTRY



WATER INDUSTRY

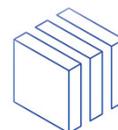


FOOD INDUSTRY



AND MORE

## Predictive maintenance and energy optimization...



PIERRE  
BLEUE  
BELGE  
est. 1668

### RED

#### What is it for ?

**RED** is more than just a **predictive maintenance system**. Our cutting edge technology allows us to provide **predictive maintenance diagnostics** with **high reliability**, but also to monitor **energy consumption**, provide **optimization** suggestions and report on **savings**. All this, in addition to diagnosing machine health and **detecting future failures**. **RED** allows you to **predict electrical and mechanical equipment failures** by analyzing the electrical signals that feed your **production lines**.

#### How does **RED** works ?

Where most other solutions on the market focus on vibration, temperature or oil analysis, **RED analyzes the current and voltage supply signals** of your motors to effectively cover your entire production lines.

#### In response to a problem...

Industrial machine failures are a major profitability issue when they bring an entire production line to a halt. With **RED**, Insens **anticipates these failures** and allows to **plan in advance** the maintenance of these machines in order to **reduce the economic impact** of a sudden stop of activities, in addition to **reducing energy consumption**.

#### For which machines ?

**RED** can be used to optimize all machines powered by **three-phase asynchronous electric motors**, such as pumps, compressors, fans, mixers and many others that are **present in large numbers in industry**.

