



**TOTAL**  
Committed to Better Energy



Mobile access to detailed dashboards



Driving efficiency



Energy savings



Reduce fuel loss



Predictive maintenance



Big data analysis



**MINING**

# OPTIMIZER

Control and manage all your energy consumption



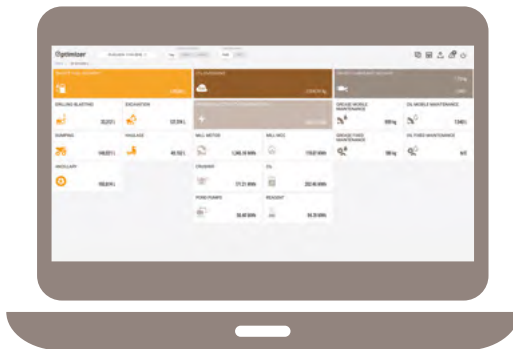
**ENERGY**  
SOLUTIONS

# ONE PLATFORM

## TO MANAGE ALL YOUR SOURCES OF ENERGY CONSUMPTION

Every piece of data, regardless of its source\* is gathered into one single platform

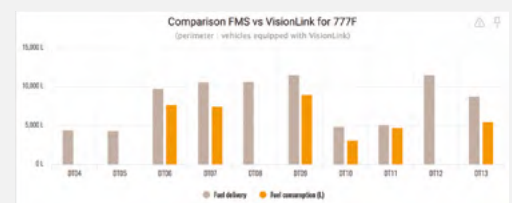
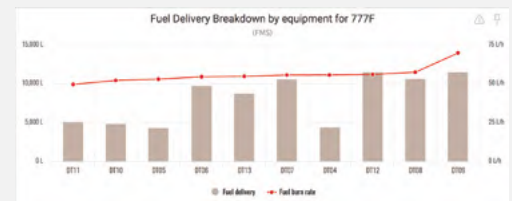
\* (OEMs, FMS, Scada, additional sensors on site...)



**DATA SCIENTIST TEAM**

**OPTIMIZER** big data technologies aggregate and reconcile all of this information, to detect any abnormal event that could impact your operations and identifies new sources of savings

ON-SITE FUEL DELIVERY		471,235 L
<b>DRILLING BLASTING</b>	<b>EXCAVATION</b>	
29,941 L	115,837 L	
<b>DUMPING</b>	<b>HAULAGE</b>	
130,840 L	44,149 L	
<b>ANCILLARY</b>		
143,168 L		



# OPTIMIZER: ONE SOLUTION TO MEET YOUR EXPECTATIONS



## Peace of mind management

- Dashboard and decision support
- Multi-energy solution
- KPI's for any users
- Real time data



## Cost control energy

- Optimize operating costs
- Control consumption
- Efficient energy management
- Reduce fuel loss



## Safety program

- Improve driving behavior
- Monitor vehicle cycle
- SMS alerts



## Environmental impact control

- Promote eco-driving
- Reduce your carbon footprint
- Manage CO<sub>2</sub> emissions
- Reduce environmental impact



## Lubrication Management

- Predictive analysis
- Breakdown prevention
- Improve engine lifetime

Thanks to Total's expertise and continuous support, this solution stands out due to its simplicity of implementation and ease of day-to-day use.



Benefit from a **very short return on investment**, thanks to a limited initial investment and a direct impact on your energy costs.

## ▼ WHAT OUR CUSTOMERS SAY ABOUT OPTIMIZER

"We have **reduced the fuel consumption** of our main contractor by **16%** in just five months thanks to Optimizer"

 **General Manager**

"What I love about this platform is that I can drill down to specific models or time periods **to understand consumption variations**"

 **Supply Department**

"Thanks to Optimizer's team, I have **saved 2 days of work** on a fraud investigation"

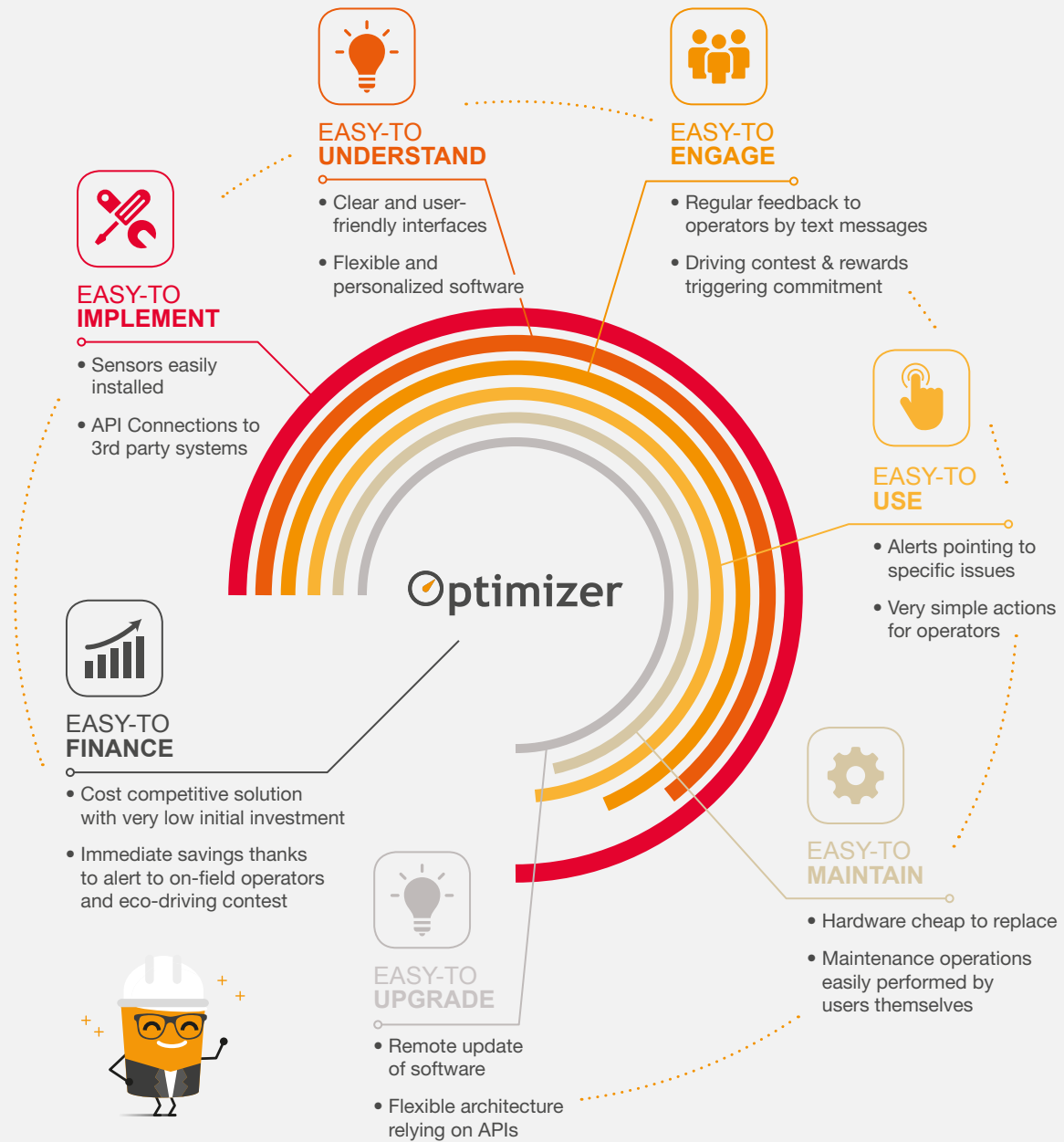
 **Security Management**

"This platform associated with Optimizer's sensors really allows me to **monitor the activity of my contractors**"

 **Mining Operations**

# OPTIMIZER

## AN EASY AND COST EFFECTIVE SOLUTION



## TOTAL, A PARTNER YOU CAN RELY ON

Total is one of the largest integrated oil and gas companies in the world, with products marketed in **150 countries**.

The Group is also a first rank player in chemicals. Its 96.000 employees put their expertise to work in **across every part of the industry** - exploration and production of oil and natural gas, refining and marketing, gas and new energies, trading, and chemicals.

Total is **among the largest refiners & marketers in Western Europe, the leading marketer in Africa, and is continuing to expand globally. Total is a major player in the specialty products** (lubricants, aviation fuels, marine fuels, heavy fuels, liquefied petroleum gas, bitumen...) and one of the leading traders of oil and refined products worldwide.

Total is actively **preparing for the energy future** by progressively expanding its offerings and developing complementary next generation energy activities, with a focus on solar and biomass.



[www.optimizer.total.com](http://www.optimizer.total.com)