

CONNECT TO YOUR INDUSTRIAL POTENTIAL



Summar

y

- 01** Who are we?
PAGE 03
- 02** What does TEEPTRAK do?
PAGE 07
- 03** Operating principle
PAGE 11
- 04** Case study
PAGE 19

01

TEEPTRAK

Who are we?



The challenges TEEPTRAK addresses

“What gets measured gets improved.”

William Edwards Deming,
Statistician

With consistent monitoring, factories can achieve **performance gains of 5 to 30 points.**



“70% of digitalization projects fail due to complex implementation.”

BCG Study

With a clear methodology and adaptable technology, **project success becomes inevitable.**



“The biggest challenge of digital transformation is changing a car tire while still driving.”

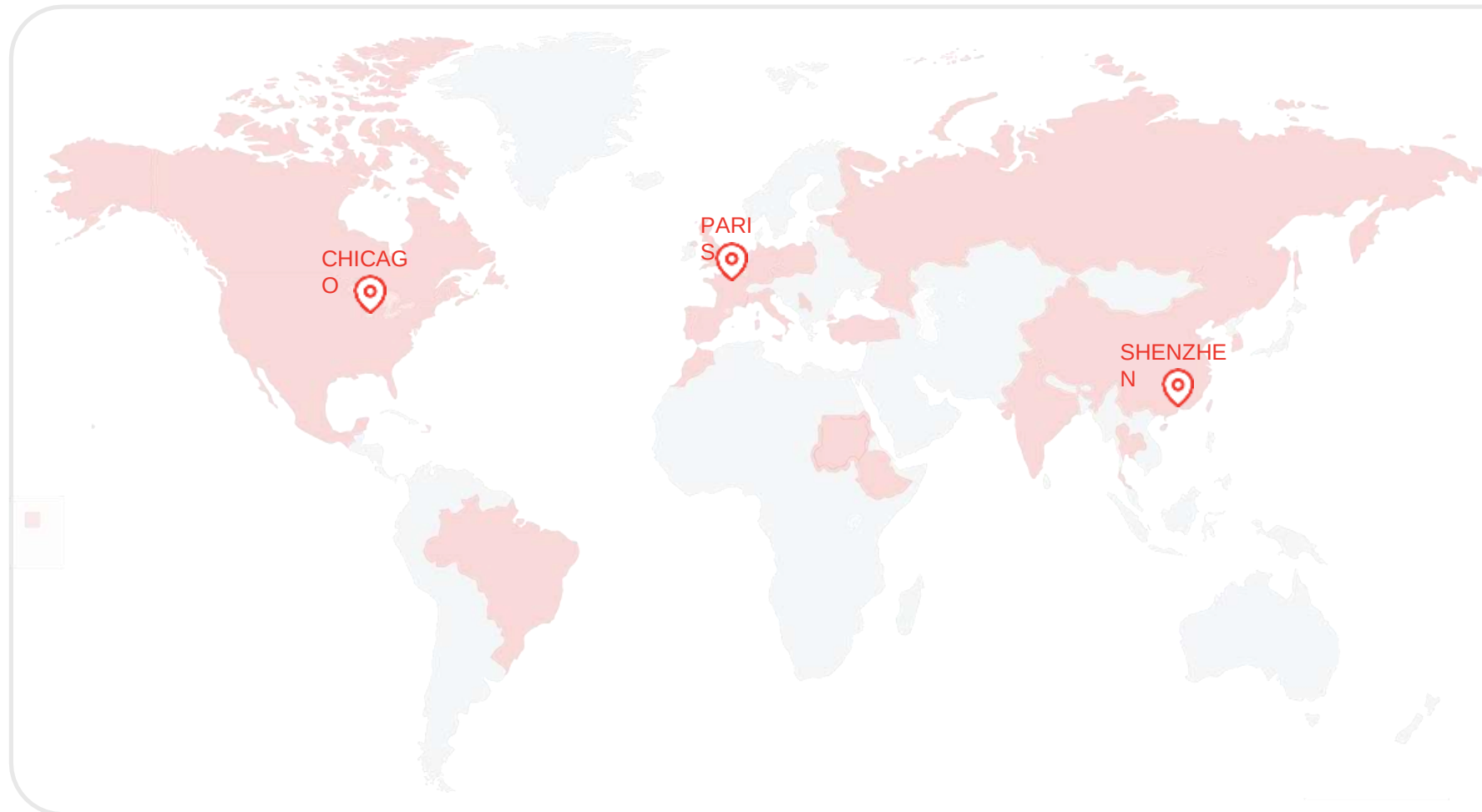
Eric Blot, industrial speaker

The goal is to progressively enhance existing systems to **maximize operational performance.**



TEEPTRAK

today



50
employees

3
Offices



+10

years of expertise in
production monitoring
and Lean management

**+8,
5**

million
€ raised



**+10
K**

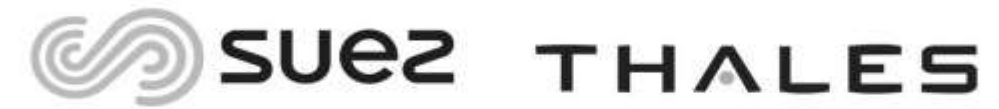
daily users
over
30
countries



More than
400

Client plants on 4 continents, from
SMEs to large groups

Solutions translated into over **20** languages





02

What does

TEEPTRAK do ?

What does **TEEPTRAK** do?

We design, manufacture, and distribute "turnkey" solutions to **measure and improve performance.**

MADE IN
FRANCE



TEEPTRAK

today

perftrak

Machine performance

SINCE DAY 1

qualtrak

Quality monitoring

SINCE Q3 2018

pacetrak

Manual task monitoring

SINCE Q4 2018

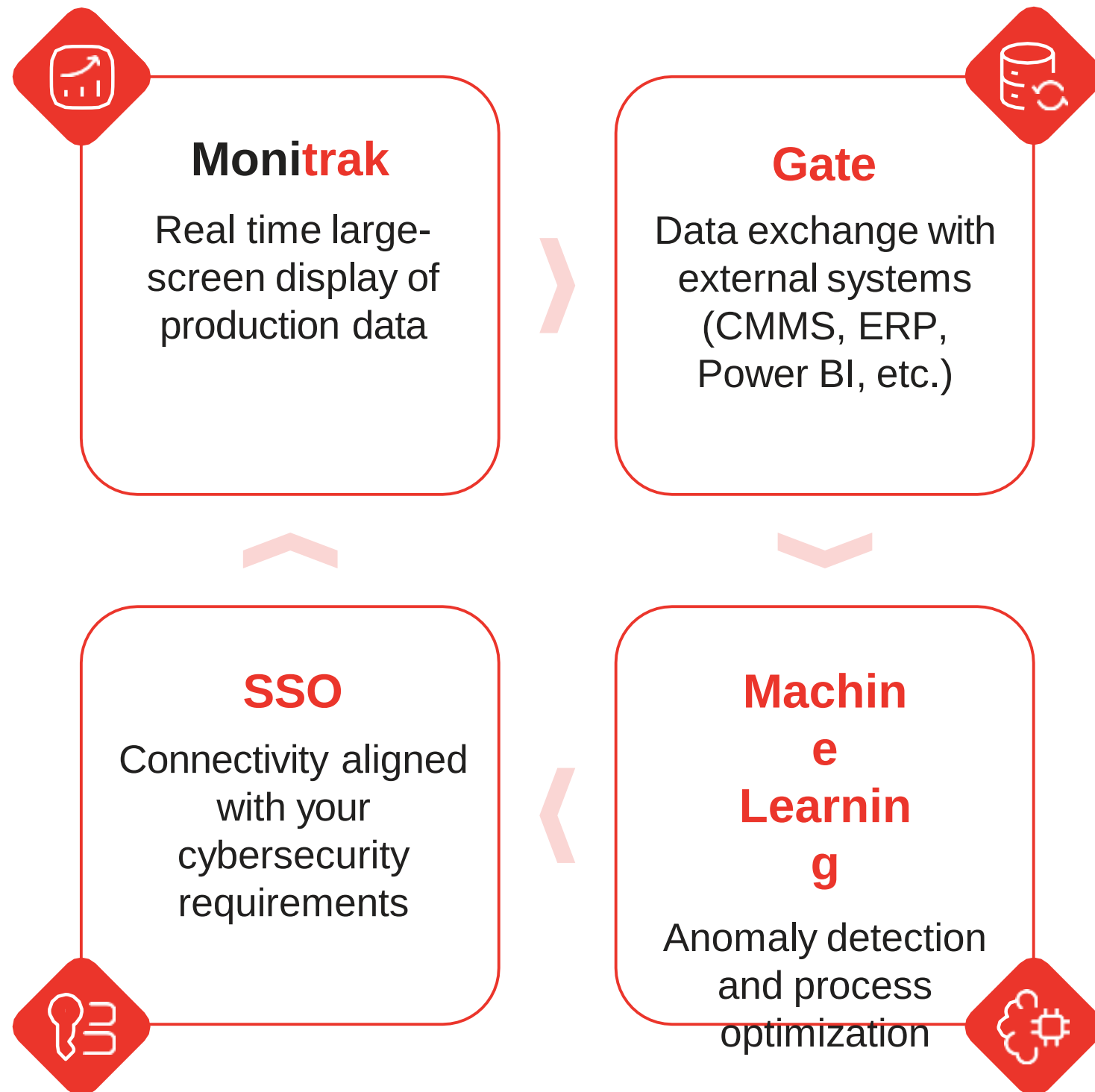
**processtra
k**

Process control
monitoring

SINCE Q3 2022

OPC UA
compatible
OPC UA

Going further



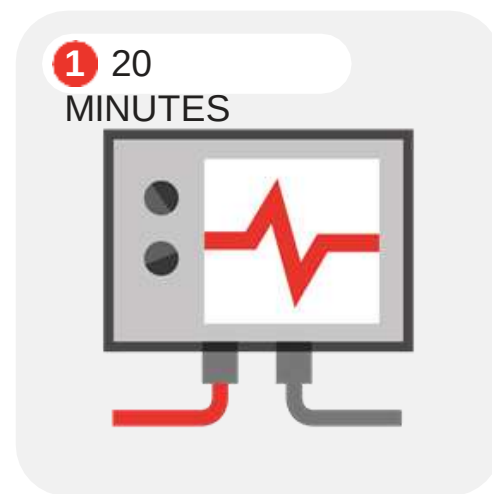
03

Operating principle **Perftrak**



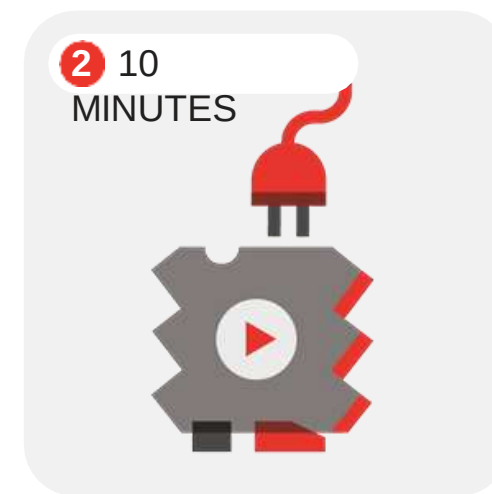
Non invasive, Plug & Play integration

perftra
k



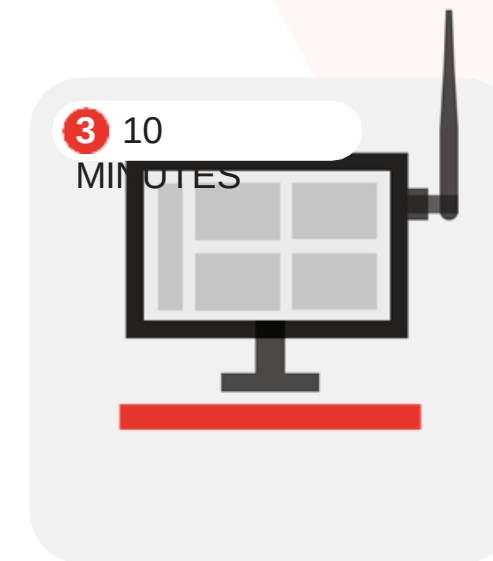
Signal reception

Through an external sensor or by retrieving an electrical signal



Connecting the module

Connect the module to the sensor or signal



Installing the tablet

Attach the tablet to the operator's station



Website configuration

Set up the "virtual factory" on the website

Deployment methodology

perftra
k

Successful project example



Competitive advantages

perftra
k

Convenient

- ✓ External and autonomous
- ✓ solution Installation in less than
- ✓ an hour Configuration by your own teams

Ergonomic

- ✓ Intuitive interface
- ✓ Technology dedicated to the shop floor Strong acceptance by teams

High-Quality

- ✓ Robust and industrial equipment
 - ✓ Competitive price and fast ROI
- Progressive “à la carte” deployment



Smart Tablet, Smarter Floor

perft^{ra}



Collecting production data
(automatic time tracking & manual and/or automatic downtime causes)



Scrap and rework



management Trigger-based

forms

(quality checks, maintenance work orders, Go/No-Go procedures, startup checklists, etc...)



Display of other software or web pages within the application
(webview)



Message reception



Customizable display



options

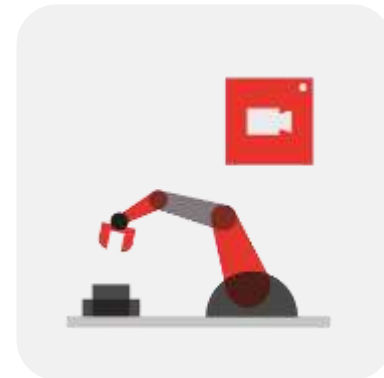


Supervision Website

perftra
k

Settings

Digital Twin of Factories, Definition of Users and Their Scope, Scheduling Integration, Loss Tree



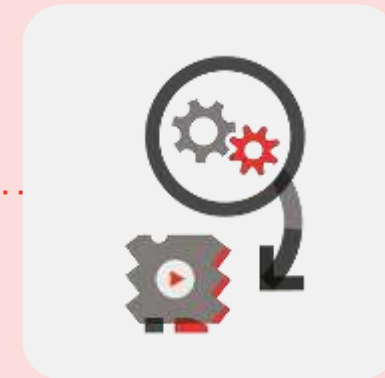
Analysis tools

Real-time Dashboards, Indicators, Historical Data, Stop Pareto, Counting and Automated Reports, Weekly/Monthly/Yearly Consolidations



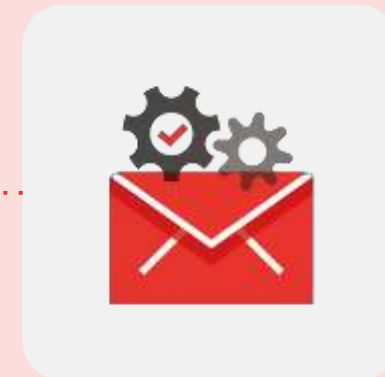
Software developments

Possible to customize the tools



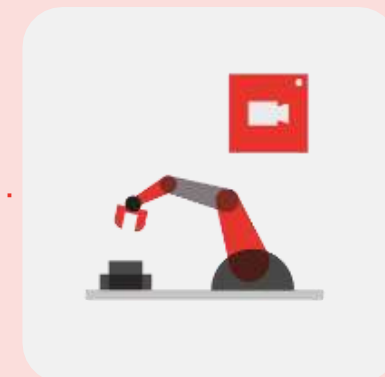
Acess to raw data

To extract the database and perform customized analyses



Alarms trough email

To be alerted of any excessive performance deviation or downtime



Support

Tickets, Training modules and Lean academy

List of Features

perftra
k

Production monitoring of machines or industrial lines



- Collection of production data (automatic time & stop causes manually and/or automatically)
- Ability to connect 1 to 4 machines per solution
- Measurement of key performance indicators (OEE/OER/TPM/MTTR/MTBF/Fault rates/instantaneous rates, etc.)
- Product/batch counting
- Real-time or period-based dashboards
- Management of scrap/rework
- Tracking of production orders (PO) and digitized scheduling
- Ability to standardize planned downtime and automate the collection of delta times
- Analyses to support continuous improvement (historical data, Pareto, by team, by production order/product, by machine, etc.)
- Manual and/or automated reports (daily, weekly, monthly, by team, etc.)
- Alarms for performance deviations or downtime
- Automation possible for up to 127 stop causes, scrap, or product changeovers
- Management of complex machine signals (automation possibility; boolean activation conditions AND/OR on modules)

Forms triggered by events (frequency, quantity, stop type, shift end)



- Quality: Frequency controls / sampling
- Digitization of maintenance production orders,
- Digitalization of Go/No Go procedures, etc.

Automatable light column



- Colors, flashing, and buzzer based on production states (ON/OFF, below or above OEE target, planned tasks, etc.)

List of Features

perftra
k

Raw or consolidated data

that you can extract anytime



Unlimited users

with self-managed permissions and access scopes



Custom development available

(visuals, standardized reports, indicators, etc.)



Support



- Online academy with training modules covering all hardware and software aspects of the solution (detailed documentation on configuration and usage of each feature)
- Online Lean academy with a matching matrix linking issues to appropriate Lean tools
- User manuals and connection diagrams

Optional Features

Inbound/outbound API available



- Retrieval of production orders, scrap data, etc.
- Feeding BI, ERP, and other systems with raw or consolidated data (KPIs, counts, etc.)

Cybersecurity

TEEPTRAK solutions support SAML connectivity





04

Case study

CASE
STUDY

Hutchinso

Challenge

1. Teams do not have factual data on machine performance
2. The technology must be reliable, easy to install and used daily by operators.
3. Technology must be cost-effective

Implementation and impact

- Implemented on steam cleaners and presses
- Many performance monitoring systems were identified, but the vast majority of them were costly, complex and required a long implementation period
- TEEPTRAK system installed in one day
- Within three months, understanding the performance losses and launching the corresponding improvement action plans reduced the bottleneck and boosted OEE from 47% to 72%

RESULT



Identification of blocking points



+25% OEE



ROI **<1 month**

CASE
STUDY

Stellantis

Challenge

1. Diverse machine park and production steps
2. Technology needed to be cost-effective for large-scale deployment
3. Could not open electrical cabinets or PLCs due to warranty and engineering constraints—external deployment had to be fast and non-invasive

Implementation and impact

- Implanted on machining machines, transmission line/ground links, etc. (> 90 systems)
- The installation allowed the factory to save time and reassign management and operators on improvement missions (equivalent 7 FTE saves)
- Operators now feel more involved than before

RESULTS



The human at the heart of operations



+3-10%
OEE



Instant ROI (no more human data collection)

CASE
STUDY

Nutrise

Challenge

1. Enable teams to focus on value-added activities
2. Sustain high productivity levels
3. Need for real-time visibility and data access

Implementation and impact

- 28 systems + 10 Monitrak distributed throughout the site
- **No more manual reporting**
- **Very good acceptance** by the teams

RESULT S



Improved well-being at work



Production costs maintained



ROI **<1
month**

Challenges

1. Get more visual references on equipment performance
2. Obtain more complete production information and reconstitute it on a more regular basis
3. Improve the speed and frequency of data consolidation

Implementation and impact

- Large-scale deployment on several of the group's plants
- Seamless integration without production downtime
- Format changeover times are now timed to significantly reduce this source of inefficiency.

RESULTS



Detection of
organizational problems



+10%
OEE



ROI **<1**
month

CASE
STUDY

Ampheno

Challenge

1. Reliability measure and quantity performance losses
2. Adjusting rates for which the optimum value is not known
3. Eliminate working with paper and make up for the lack of means to process performance data

Implementation and impact

- Installation within one hour without stopping production
- No more manual reporting and paper
- Improved production volume per hour between periods before and after Perftrak installation
- The transition from paper tools to the tablet, as well as the improved ergonomics of the workplace (screen at eye level and within easy reach) has enabled the operators to gain in user comfort, which has reduced the downtime information line

RESULTS



Total elimination of paper reporting and data collection



+29% OEE



ROI **<1**

year

They trust us

“A solution designed for operators with a Plug&Play implementation. The performance is only visible and analyzed by the support teams, the operators are the actors and challenge each other on a daily basis.”

Miguel Waxin
Deputy Managing Director,
APS Coatings



“The return on investment at Nutriset was very fast, because we were able to eliminate as much as possible of what we call “irritants.” In other words, the small shutdowns of 3-4 seconds but which occur sometimes fifty or a hundred times per shift.”

Sylvain Clausse
Maintenance and
Automation Department,
Nutriset



“PerfTrak solutions have allowed us to earn 10 to 15 OEE points but also, precious time for operators who no longer have documentation to fill in and who can themselves access the information in real time.”

Philippe Devaux
Industrial Process Director,
Hutchinson



“Thanks to TEEPTRAK, we benefit from a standard and multi-site tool allowing us to monitor and analyze performance in an identical manner in heterogeneous environments with a significant economic gain.”

Vincent Perrault
Head of Industrial Resources,
Eolane Group



“PerfTrak systems paid themselves simply by freeing up people that are now able to focus on Value Added tasks instead of collecting data and preparing periodic reports.”

Christophe Pasquet
Monozukuri, PRF (Costing),
4.0 factory, Stellantis Caen



“We noticed a 29% increase of production volume in pieces per hour after installing PerfTrak on a single machine. This represents more than 19k€ additional revenue per year.”

C.M. R, Production &
Maintenance Manager



Award-Winning ~~Innovation~~

**Operational
Excellence Award**
BearingPoint IoT
Business Hub (2019)



**Focus by Usine
IO-Station F**
Selected for the
acceleration program
(2018 & 2019)



**Best
practice
mechanics**
by PSA
GROUP
(since 2017)



**Medef-Siparex
award for digital
transformation**
with Eolane in 2019



**Referenced as an
innovative company**
By FRENCH FAB
(since 2019)



**Labeled solution
providers** By the
industry of the future
alliance (since 2019)



**Powered by
Paris Region**
By the Île-de-France
region (since 2020)



Contact

US

 www.teeptrak.com

 info@teeptrak.com

 + 33 6 40 63 26
73