

Smart Factory 101 for Manufacturers

Reduce production costs
with real-time monitoring

Woximity



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Automatic Data Collection

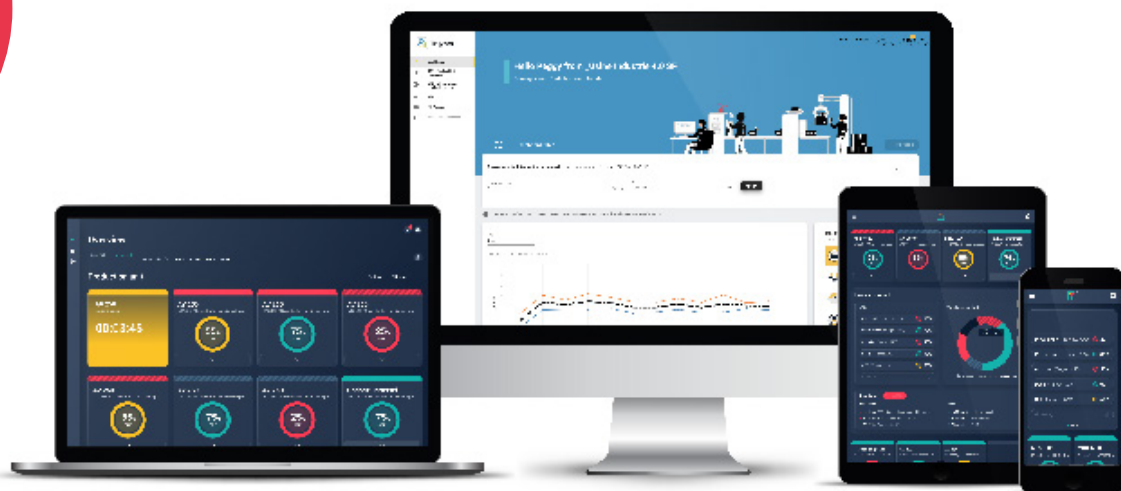
Goodbye costly customized connectivity solutions, hello automatic data collection.

Real-time data collection with our smart sensor TileConnect. Connect all your equipment to feed your TileBoard dashboard.

Our Quick and Easy IIoT Device

It all starts with our TileConnect device. Complete the quick and easy setup and TileConnect will automatically start collecting production data from your machines (works with existing equipment or new).

TileConnect will automatically start collecting production data from your machines.





Event Setup

Event mode is used for batch processing and measures cycle time, setup time and downtime



Count setup

Count mode is used for continuous processing and measures production speed, number of rejects and downtime



Technical Specifications

4 i/o, data storage, waterproof and dust-resistant case and more

Read what our clients have to say about

Having the right information at the right time

“Now that we have all the relevant data automatically collected and analytics to build manufacturing intelligence, we can identify business opportunities and projects in which to invest our time and money.”

PAT DE MARCO

President & CEO | Viau Foods

“With TileBoard, we can monitor our production better and react swiftly. This way, we minimize our losses and increase production speed. The alerts help us improve our uptime while minimizing our hours of operation but with the same end result.”

**JOCELYN DELISLE, Director of
Production | Voltigeurs Farms**

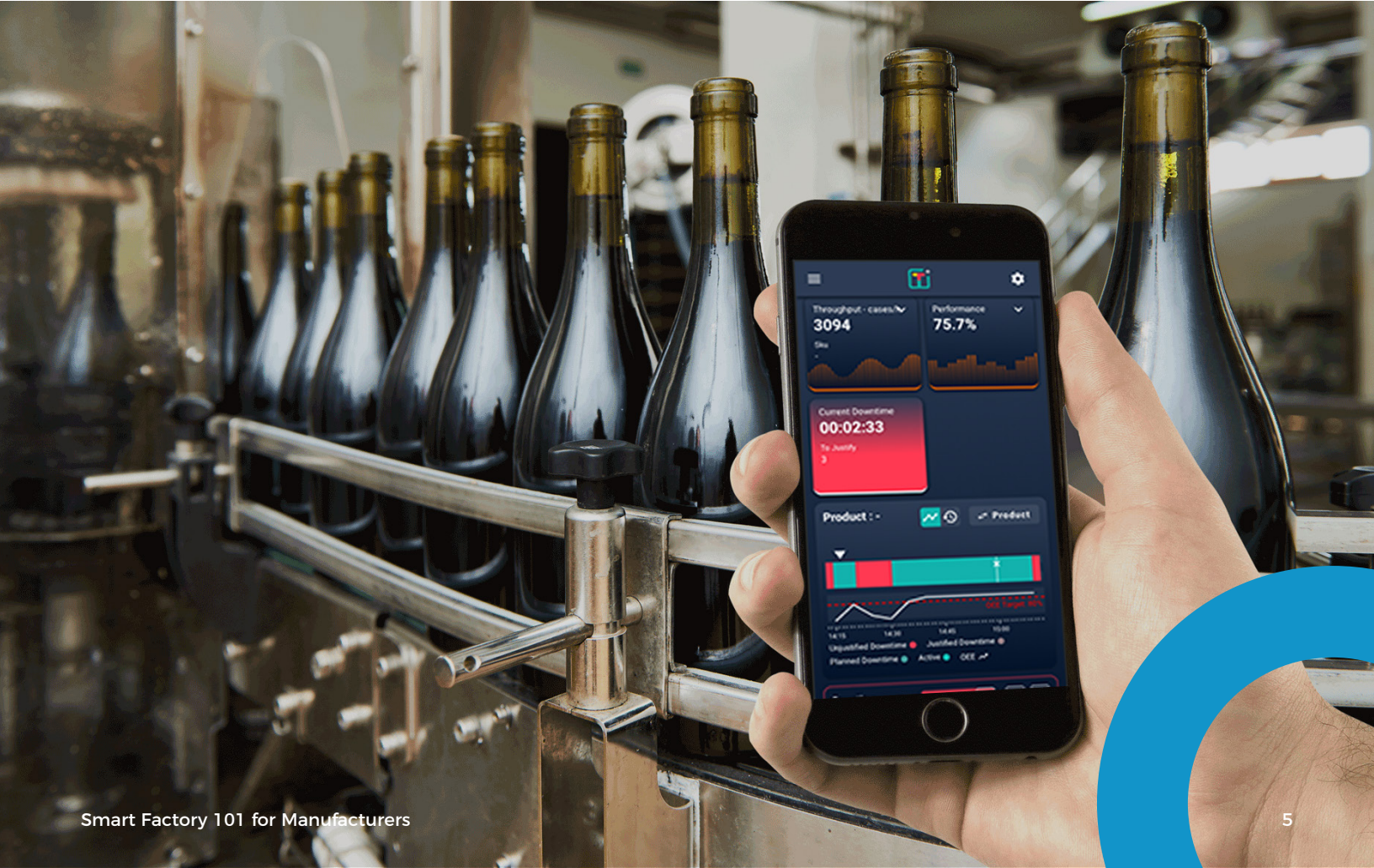
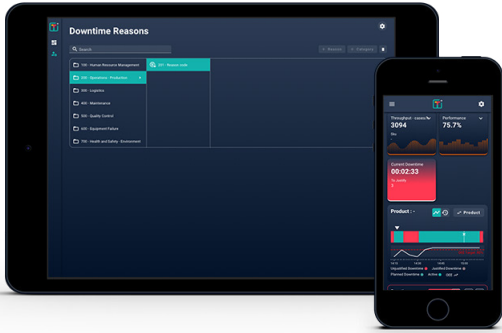
Downtime Monitoring

Goodbye wrong data about downtime, hello real-time downtime monitoring.

Monitor your downtime in real time to respond quickly and optimize productivity.

Your downtime monitoring tool

Your equipment is an important asset of your company. By connecting them to a centralized, mobile dashboard, you maximize your investments and make sure you use them to their full potential.





Track your downtime

See when and how long stoppage occurs with our downtime tracker timeline



View all your Downtime KPIs

Duration and frequency of downtime, availability during business hours and historical team performance comparisons



Access historical data

Analyze trends with your historical downtime data report

Read what our clients have to say about

Knowing the duration of all their downtimes

“Of course we were expecting to cut costs. However, we are surprised by the magnitude of the savings generated to date and know that there is even more room for improvement! Our goals seemed difficult to achieve but were even surpassed.”

CHARLES TREMBLAY,
Owner | Eco Service Tria Inc.

“Before, my lines stopped 8 to 10 times per hour. By monitoring in real time with the TileBoard application, we managed to reduce our downtime to under 3 stops per hour (2.7) which translates into a 4% gain in availability in one year.”

Operation Manager | Door and Window Industry

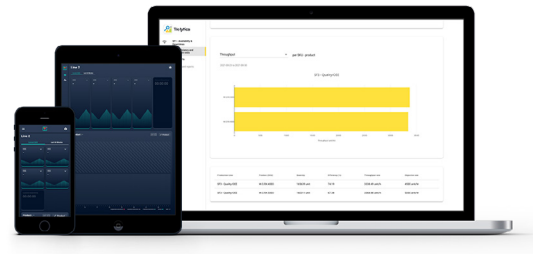
Performance Monitoring

Goodbye Excel files and paper charts containing mismatched data, hello real-time performance monitoring.

Monitor your performance for continuous improvement. TileBoard, our real-time dashboard, makes it easy to view data collected from your machines in one or many factories.

Your Performance Monitoring Tool

Easily access your production data in real time and share it with your teams. TileBoard facilitates the decision-making process and will help your teams continuously improve.



Combine data

Set objectives per product or machine and monitor the efficiency in your factory



React on the spot

Follow your production rates, compare to your targeted objectives and react when equipment is not running at optimal speed



View, share and export

View historical data of production KPIs per line or equipment, share the data with your team and export it to an Excel sheet



Read what our clients have to say

Monitoring performance to improve efficiency

"The overall picture of our production obtained through TileBoard allowed us to understand where our main downtimes were and to understand what might be beneficial to us. That is why we want to invest more time, energy and resources in this technology in order to use the tool to its full potential."

DAVE LAMOTHE,
VP Operations | [Première Moisson](#)

"It's great for the employees because they have access to the same information as the managers. This encourages them to participate even more in the initiatives that are taken to improve production efficiency such as anticipating and preventing issues and problems of all types (mechanical, material supply, etc.) before they occur."

JEAN-ROCK LACROIX,
President | [Prolifik](#)

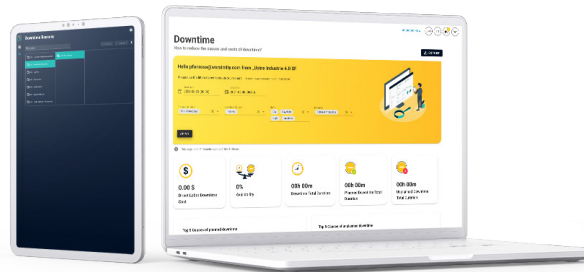
Real-Time Dashboard

Goodbye boring white boards and outdated papers charts, hello real-time dashboard.

Display your KPIs on real-time dashboards in your factory. Choose your most important KPIs and display your dashboard on large screens throughout the factory. Monitoring and displaying your performance in real time increases productivity by 10%-20% and is an essential component of your continuous improvement process.

Your Real-Time Dashboard

Real-time production data has the power to mobilize teams towards achieving concrete goals.



Visualize KPIs in the factory

Empower your teams to react more rapidly by displaying critical KPIs in real time on screens throughout the factory



Engage your team

There is no better way to motivate and engage your teams than by providing them with set objectives and realtime data showing the actual production status



Make key data available

Make data available to all people involved in the decisionmaking process. Displaying real-time data provides critical performance information allowing your teams to better understand issues and help them focus on the essential

READ WHAT OUR CLIENTS HAVE TO SAY

Today, all my employees know specifically what their goals are

“Because employees are made aware of their impact on production, downtime has been reduced without having to implement additional improvement measures. Employees were diligent in reducing setup times and in reacting more quickly when problems occurred on the line. The more I will use the application over time the more I will be able to identify new opportunities for improvement and reap the benefits from using TileBoard.”

CHARLES TREMBLAY,
Owner | Eco Service Tria Inc.

“Our motivation to implement TileBoard was first and foremost to boost employee commitment towards continuous improvement. By collecting and distributing data in real time, teams immediately see their impact on production and the effects of continuous improvement measures. It motivates people to see that the productivity and efficiency gains are real.”

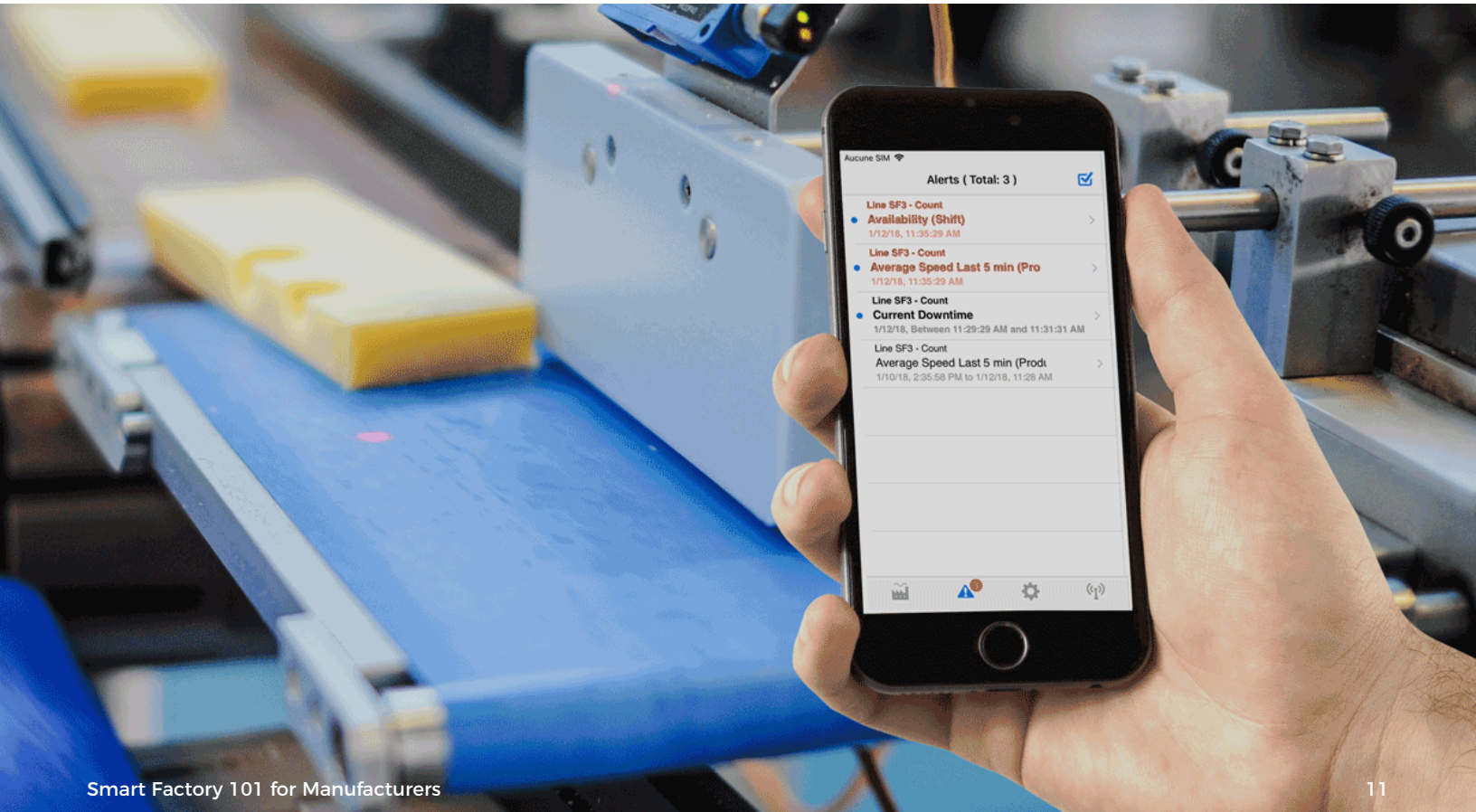
Plant Manager |
Pharmaceutical Company

Real-Time Notifications

Unnoticed emergencies will become a thing of the past with real-time notifications.

Your Real-Time Notifications

Set up alerts on your TileBoard dashboard software to be notified in real time when problems occur. You simply have to identify those events you want to be notified about. Unusual slowdowns, costly downtime, failure to meet the day's targets or a growing number of rejects are examples of the types of alerts you can receive anytime, anywhere.





Real-Time Viewing

View the alert timeline to visualize the alerts when they occur and access the historical alerts menu to compare past events with the current situation



Easy Alert Setup

Configure KPI alerts on your dashboard based on specific trigger conditions such as time limits or deadlines with respect to problem-solving



Receive Detailed Emails

Receive an email in real time with specific alert information

Read what our clients have to say about

We are now in proactive mode when a production problem occurs

“The use of sensors and TileBoard has a real impact on our production speed. These technologies allow us to know what is going on in the factory at any time and from anywhere in the world. With the email alerts, our response time is better and the corrective actions are quickly taken. We can do more in the same period of time.”

STEVE PROKOS,
Plant Manger

“As some lines are critical to our business and have justified massive investments in terms of equipment modernization and purchases, it is essential for us to see an increase in production, a reduction in production times and ultimately, a quick return on investment.”

Operation Manager |
Door and Window Industry

Downtime Cause Tracking

Goodbye paper forms and delayed reports, hello downtime cause tracking.

Track your downtime. Justify downtime by selecting the appropriate reason in seconds. Take a look at your Pareto chart to get an overview of the main causes of your downtime.

Your smart form downtime reasons tracker

Your plant is not running at full capacity but you do not know exactly why. By using our smart downtime forms connected to your production equipment, you will quickly identify your main problems.





Track Downtime Causes

Automatic downtime event tracker records all downtime events and by using the smart form you can track the appropriate reason of downtime. Simply use the downtime reasons drop-down menu and make a quick selection



View Downtime Pareto Chart

View a Pareto chart displaying your main causes of downtime by plant, by line or equipment



Use Analytics Report

Analyze your improvement opportunity costs by type of downtime cause

Read what our clients have to say about

Knowing the main reasons of downtime in my factory

“Worximity has provided ADL with the tools it needs to manage its everyday operations: automatic data collection and a real-time visual of production each day. We now have visibility on all downtimes and production capacity which will help us to continuously improve all of our production lines.”

TYLER KOWALSKI,
Operational Improvement
Coordinator | ADL

“By monitoring downtime and gathering all the relevant information with respect to unwarranted stoppages, we have controlled downtime and cut our downtime costs by 45% in one year. The solution was affordable and easy to implement and the upside was significant and the return on investment almost immediate.”

**Operations Manager | Wooden
Window and Door Company**

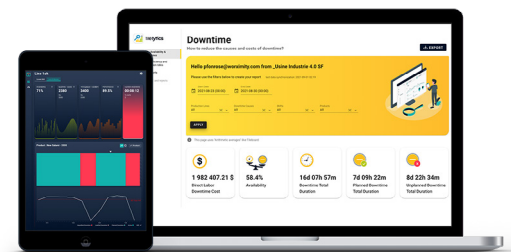
Continuous Improvement

Goodbye outdated tools and paper-based action plans, hello continuous improvement.

Engage your team in continuous improvement. Take action on main production problems so you can quickly improve your profitability. Empower your team with tangible steps and real deadlines.

Continuous Improvement at your fingertips

Engage your employees with smart continuous improvement tools using real-time production data, mobile and interactive forms and concrete action plans.



View and plan

View the principal causes of your downtime and establish a corrective action plan according to your priorities and based on reliable data



Filter and focus

Filter causes of downtime by frequency, duration, quantity, reason, date or specific department to help you develop the appropriate remedial action plan



Improve continually

Take charge of your corrective action plan by using a smart centralized plan that will empower your employees and your team and hold them responsible for meeting improvement project deadlines



Read what our clients have to say

Improving profitability with continuous improvement technologies

“Data is the key. The more we have easy access to crucial information, the more efficient we will be. Once the information is inputted in TileBoard, it is accessible to everybody which accelerates operations.”

BILLY DEDES

Owner | Central Bernard

“The IML PLASTX team has always supported innovations and shown interest in new continuous improvement technologies. Our company was ready to take the step towards industry 4.0 and Worximity was an affordable and simple solution in order to make our factory smart and increase our overall efficiency.”

President | IML Plastx

Overall Equipment Effectiveness

Goodbye approximate OEE calculations, hello real-time OEE monitoring.

Assess your overall performance with your OEE monitoring tool. Monitor rejects, track availability, efficiency and quality. Set a benchmark for excellence.

Your OEE monitoring tool

Overall Equipment Effectiveness (OEE) is a standard for measuring the overall efficiency of your equipment and a metric for identifying key problems and potential improvements that could be made.

Monitor rejects, track availability, efficiency and quality.





Monitor availability, efficiency and quality

Closely track your percentage of availability, efficiency and quality to optimize your production



Track your OEE

Track in real-time availability and efficiency, register rejects and assess your overall performance through a single KPI (OEE)



Set a benchmark for excellence

Compare your factory to worldclass manufacturing companies based on the OEE key performance indicator

Read what our clients have to say

We are now in proactive mode when a production problem occurs

“The use of sensors and Tileboard has a real impact on our production speed. These technologies allow us to know what is going on in the factory at any time and from anywhere in the world. With the email alerts, our response time is better and the corrective actions are quickly taken. We can do more in the same period of time.”

**STEVE PROKOS, Plant Manager |
Nature's Touch Frozen Foods**

“Before, my lines stopped 8 to 10 times per hour. By monitoring in real time with the TileBoard application, we managed to reduce our downtime to under 3 stops per hour (2.7) which translates into a 4% gain in availability in one year.”

**JOCELYN DELISLE, Director of
Production | Voltigeurs Farms**

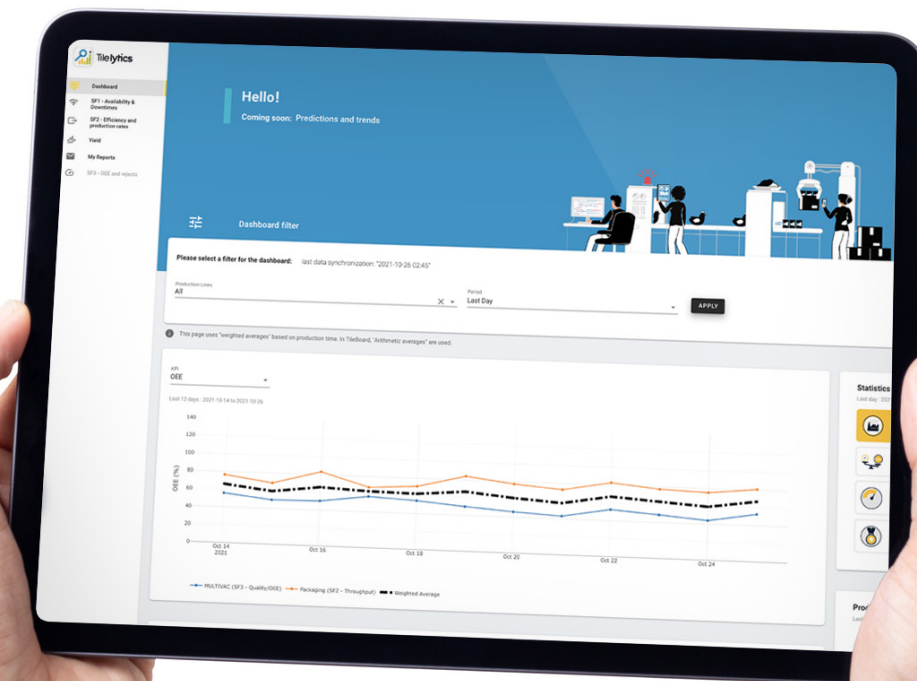
Analytics Packages

Goodbye custom projects to connect every machine, hello real-time analytics.

Stay connected with your data analytics tool. Get an overall overview of your factory through personalized dashboards.

Your Data Analytics tool

Personalize your own dashboard, get an overall overview of your factory, choose your preferred analysis and preselect the appropriate filters according to your department's daily objectives.





Track your progress over time

Use our data analytics tool to compare your performance over time. Compare results obtained before and after new



Simulate the impacts of your improvement efforts

Set up your quantitative objectives and see the impacts on your overall performance



Identify the best and the worst equipment

Detect the most and the least performing equipment according to the Key Performance Indicators (KPIs) of your choice

Read what our clients have to say

We can now identify production trends and run a more efficient factory

“Now that we have all the relevant data automatically collected and analytics to build a manufacturing intelligence, we can identify business opportunities and projects in which to invest our time and money.”

PAT DE MARCO,
President & CEO | Viau Foods

“With TileBoard, we can monitor our production better and react swiftly. This way, we minimize our losses and increase production speed. The alerts help us improve our uptime while minimizing our hours of operation but with the same end result.”

JOCELYN DELISLE,
Director of Production |
Voltigeurs Farms

Comparison Grid

Compare real-time production monitoring solutions. Do-it-yourself solutions, SaaS solutions, off-the-shelf software or large scale custom projects requiring costly infrastructures.

Easy Setup	STATUS QUO	SAAS	CUSTOM SOLUTION
Required infrastructure	No	No	Yes
Ease of implementation (expected time before you can start using it)	N/A	Days	Months
Machine connectivity and automatic data collection	No	Yes	Yes, custom
Wireless data transfer	No	Yes	No, wired transfer
Cloud data hosting	No	Yes	No, local services on premises
Data safety and integrity	No	Yes	Yes
Features			
Data Analytics	Yes, custom	Yes	Yes, custom
Intuitive interface to visualize data	No	Yes	Yes
Mobility	No	Yes	No
Real-time key performance indicator	No	Yes	Yes
Quick downtime and productivity reports	Yes, custom	Yes	Yes, custom
Factory TV viewing	No	Yes	No
Real-time alerts	No	Yes	Yes, custom
Cost			
Implementation fees	\$	\$	\$\$\$\$
Maintenance fees	\$\$	-	\$\$
Subscription fees (SaaS)	-	\$	-
Innovation & maintenance			
Monthly updates and remote maintenance	No	Yes	No
Evergreen features	No	Yes	No

Becoming a Smart Factory

Speeding up the process with IIoT

According to several studies, the majority of manufacturing companies will have begun their industry 4.0 transformation by 2020... To avoid falling behind, start informing yourself now using our free tools!



Download the IIOT Guide

Download our [4-step implementation ebook](#) in order to discover the easiest and most effective way to start your digital transformation. Who should manage the project? Where and when to start? What should be measured? What ROI will you get?

[YES, PLEASE.](#)



Book a demo with our industry expert

Ready to discover our smart manufacturing technologies? Schedule a call when it is most convenient for you and it will be our pleasure to walk you through our product designed for manufacturers seeking to achieve the effectiveness level of a smart factory.

[YES, PLEASE.](#)



Identify the digital champion in your team

It is important to identify a change champion who “can be defined as a person working at any level of the organization who is skilled at initiating, facilitating, and implementing change”.

Download our checklist to easily identify your digital champion.

[YES, PLEASE.](#)



Calculate your ROI

A smart factory always improves its productivity...But by calculating your potential ROI, you will surely be more motivated to invest resources in your digital transformation.

[YES, PLEASE.](#)



Get a quote

Fill in this small form to find out the real budget you'll need in order to benefit from the following: automatic collection of your production data, real-time data analysis and a simplified access to all your production data.

[YES, PLEASE.](#)

Worximity

SPEAK TO AN EXPERT

Worximity's Smart Factory analytics and Industry 4.0 continuous improvement technology give today's food and beverage processors the edge they need to stay ahead of the competition. To see for yourself what Worximity can deliver for your operations, call today and [schedule a demo](#). Now is the best time to up your OEE improvement game and harness the power of Worximity's electronic data collection and real-time analysis technologies.

