

FEEDBACK ON EXPERIENCE

The Chantiers de l'Atlantique

- DIGITAL VISUAL MANAGEMENT • ACTIVITY MANAGEMENT
- ANDON SYSTEM



Read the testimonies of Nicolas Clisson and François Robic, respectively Production Manager and Production Engineering Manager at Chantiers de l'Atlantique.

Implementation of a Yo-I-Don system for Cabin production at the Chantiers de l'Atlantique



Based in Saint-Nazaire
Manufacturer of the world's
largest passenger ships

Transformation of the
organisation to cope with
growth in production

Immediate gains in
productivity and better
visibility of operational
activity



Cabin production line

CHANTIERS DE L'ATLANTIQUE

The Chantiers de l'Atlantique, based in Saint-Nazaire, is a builder of the world's largest passenger ships and is growing rapidly due to its exceptional capacity for design and integration.

Since mid 2018, Chantiers de Saint-Nazaire production lines have been equipped with Pingflow's digital visual management and activity management system, based on the Yo-I-don principle to improve production visibility and performance.



Goals

The Chantiers de l'Atlantique cabin activity, based in St Nazaire, must meet increased demand given the success of sea cruises and the recognized expertise of Chantiers de l'Atlantique.

The organisation must therefore improve the **visibility of real time** production information and **synchronise production line flow**.



Results

Feedback from Mr. Nicolas CLISSON, Production Manager, and Mr. François ROBIC, Methods Manager.

Mr. Clisson notes that when the system was installed:

- Calmer **atmosphere and more fluid operations in the workshop**.
- **Collective communication** allows teams to **organise themselves naturally**, allowing management to focus on their objectives.
- Real time systems also impose a certain **rigour**, which was immediately beneficial in **improving quality**.
- In the future, we expect to use the **analysis of performance recorded** by the system **to improve further (the organisation of) workstations and optimise production efficiency**.

They also confided in us:

When we implemented the Pingview solution from PingFlow, we set an objective of a 4% gain in productivity. Today we estimate that the gain in real terms is **between 4% and 10%**. Our job is to produce cabins for boats and ships. Thanks to the Yo-i-don method and the resulting new management methods, our operators now produce **more cabins in less time**. To their great delight, we eliminated the need to work overtime.'



Console at workstation



Challenges

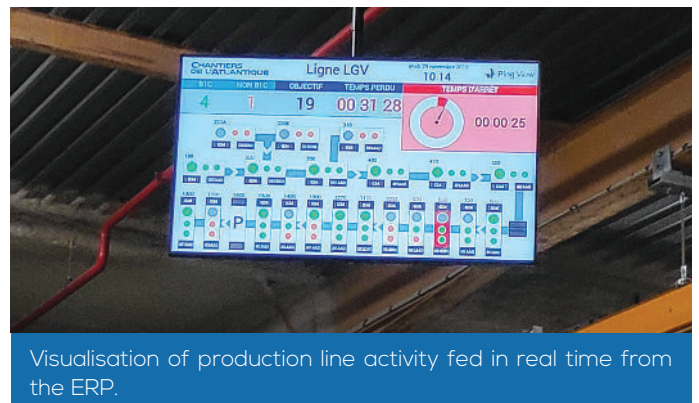
To absorb this growth in production, the Chantiers de l'Atlantique embarked on a digitalisation plan and decided to acquire a digital visual management tool to monitor activity and flows in real time.

Given the typology of assembly lines with cabins placed on manually advancing conveyers at the end of each **takt time**, CDA became interested in the **Yo-i-don system** from PingFlow which was installed at its supplier ALTOR Industrie in Clisson (manufacturer of sanitary blocks).



Solutions

- The **Yo-I-don** solution offered by PingFlow uses **tablets** assigned to each workstation. These tablets allow operators to declare when their work is complete, to report and qualify incidents which block production and those which do not.
- **Large monitors** were set up in the workshop so that all operators have access to real-time **information on production activity** and to **control production flow**.
- The system is **connected to the ERP** to provide the production forecast for the day and receive a history of actual activity.
- The **Andon system** provides visible **alerts on screens** and for users to **send notifications via SMS and email**. If incidents are not taken into account within a defined period of time, the escalation system warns other team members.
- A web interface is used to **configure the system** (working hours, user profiles and contact details) and to view incidents as logs and graphs.



Visualisation of production line activity fed in real time from the ERP.