



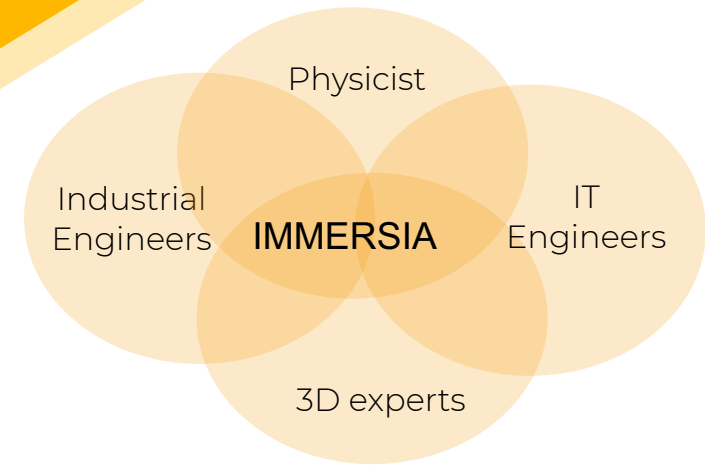
IMMERSIA

SEE BEYOND

DIGITAL TWINS FOR INTELLIGENT 3D DATA VISUALIZATION

www.immersia.eu

ABOUT US



We are a technology company that develops **advanced solutions for visualization and data analytics.**

We **optimize the value of data** through the latest technologies, such as **Big Data and interactive 3D environments.**

We collaborate with our clients with the aim of helping them **turn their companies into high-performance businesses.**



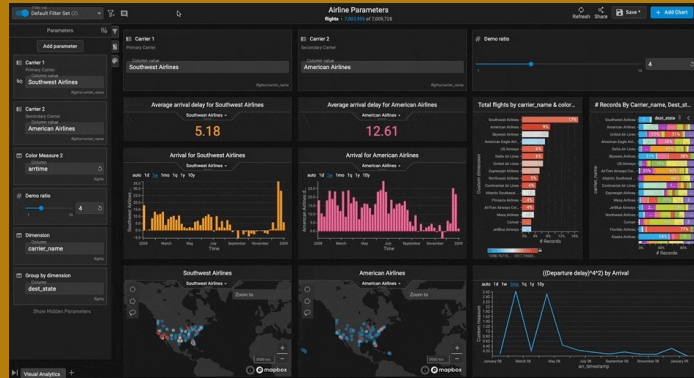
WHAT WE DO

DASHBOARDS



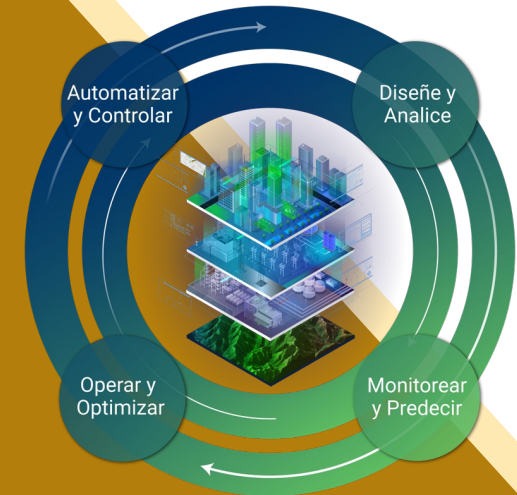
Last generation dashboards to analyze business key data in real time

VISUAL ANALYTICS



We discover and interpret meaningful patterns that help to make best decisions

DIGITAL TWIN



Interactive digital representation of a process, product or service that help optimize performance.

DASHBOARDS

Dashboards offer an **intuitive display** of business indicators for users responsible for monitoring, controlling and managing business processes.

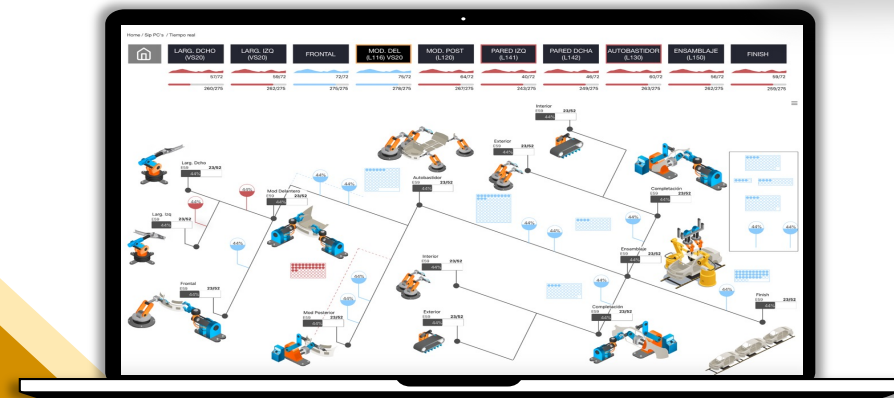
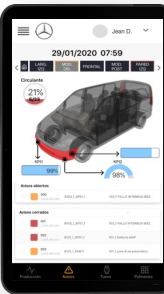
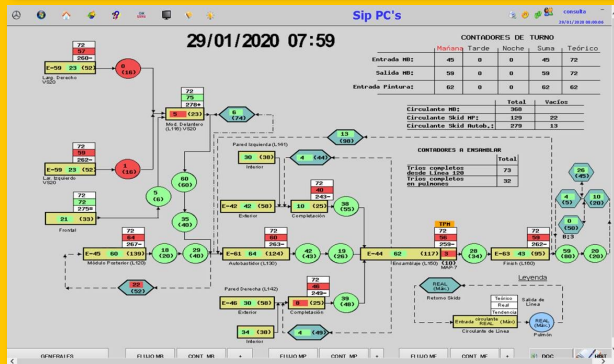
Inteligencia visual

Analítica avanzada

Visualización 3D

Adaptable to multiple environments through **visual intelligence**, making the data express itself through animations, color codes and audiovisual effects.

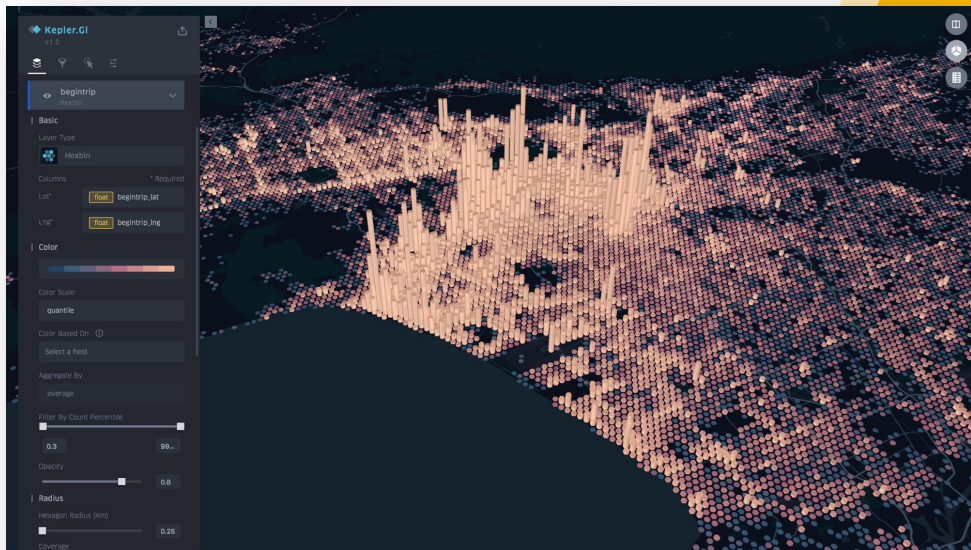
Lineas	M. Bruto Datos Generales				Ultimo Dia productivo				Producción Mensual		
	Tarde	Noche	Suma	Teórico	Mañana	Tarde	Noche	Suma	Actual 01/2020	Anterior 12/2019	
L105 ME4	-1	-1	-1	-3	-1			0	----	----	
L115 LARGUERO DERECHO	57	0	0	57	73	226	239	223	688	10095	8603
L115 LARGUERO IZQUIERDO	59	0	0	59	73	227	239	222	688	10095	8602
L116 MOJALO DELANTERO	75	0	0	75	73	238	241	221	700	10096	8570
L113 PARED FRONTAL	72	0	0	72	73	222	246	214	684	10029	8518
L120 MD. POSTERIOR (ENT)	45	0	0	45	73	230	205	250	685	10170	8924
L120 MD. POSTERIOR (SAL)	65	0	0	65	73	218	242	221	681	10151	8931
L121 MD. POST. ME4	0	0	0	0	0	2	1	0	3	----	----
L130 AUTOMATIZADOR	61	0	0	61	73	222	232	215	669	10110	8553
L141 PARED IZQUIERDA	41	0	0	41	73	223	238	220	681	10050	8602
L142 PARED DERECHA	46	0	0	46	73	226	231	224	681	10082	8589
L150 ENSAMBLAJE	57	0	0	57	73	232	234	219	685	10005	8611



VISUAL ANALYTICS

Science of analytical reasoning through the use of **interactive visual interfaces**.

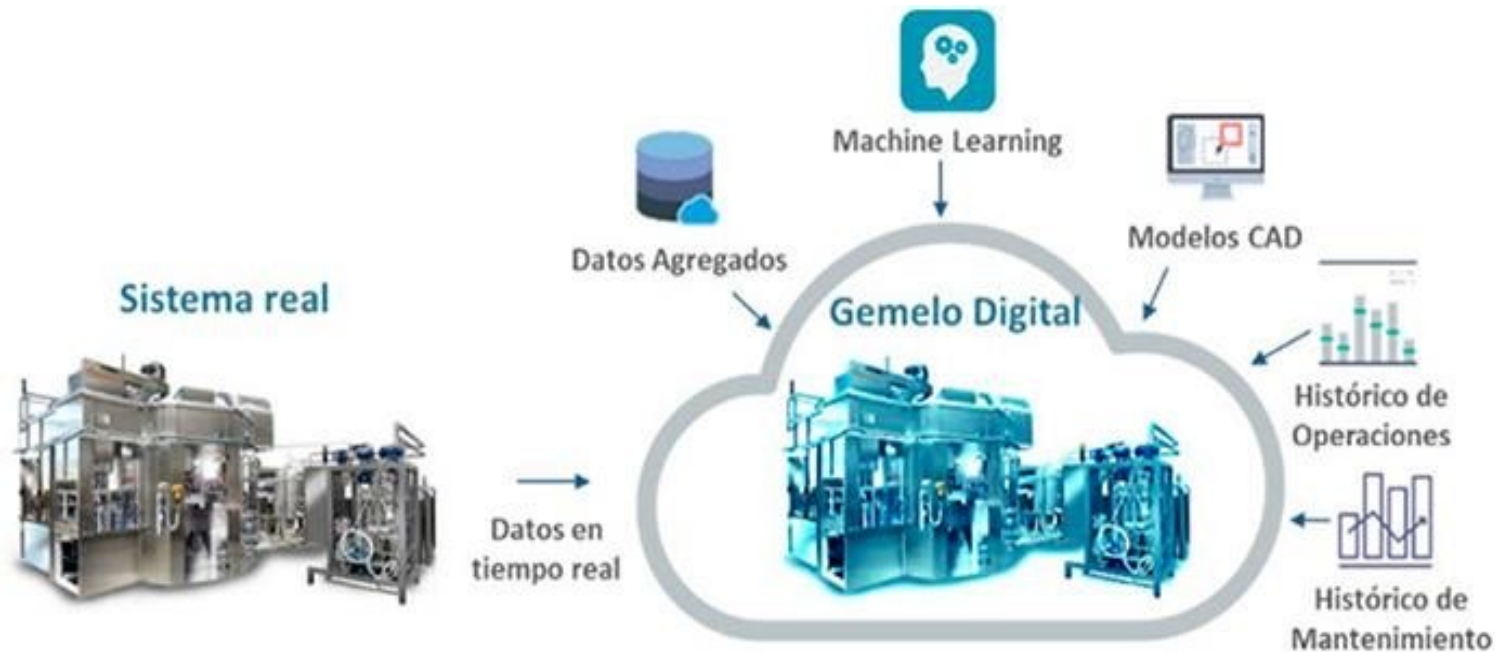
Visual Analytics aims to represent large volumes of information that allow the user to efficiently extract and analyze **relevant information for decision making**.



DIGITAL TWIN

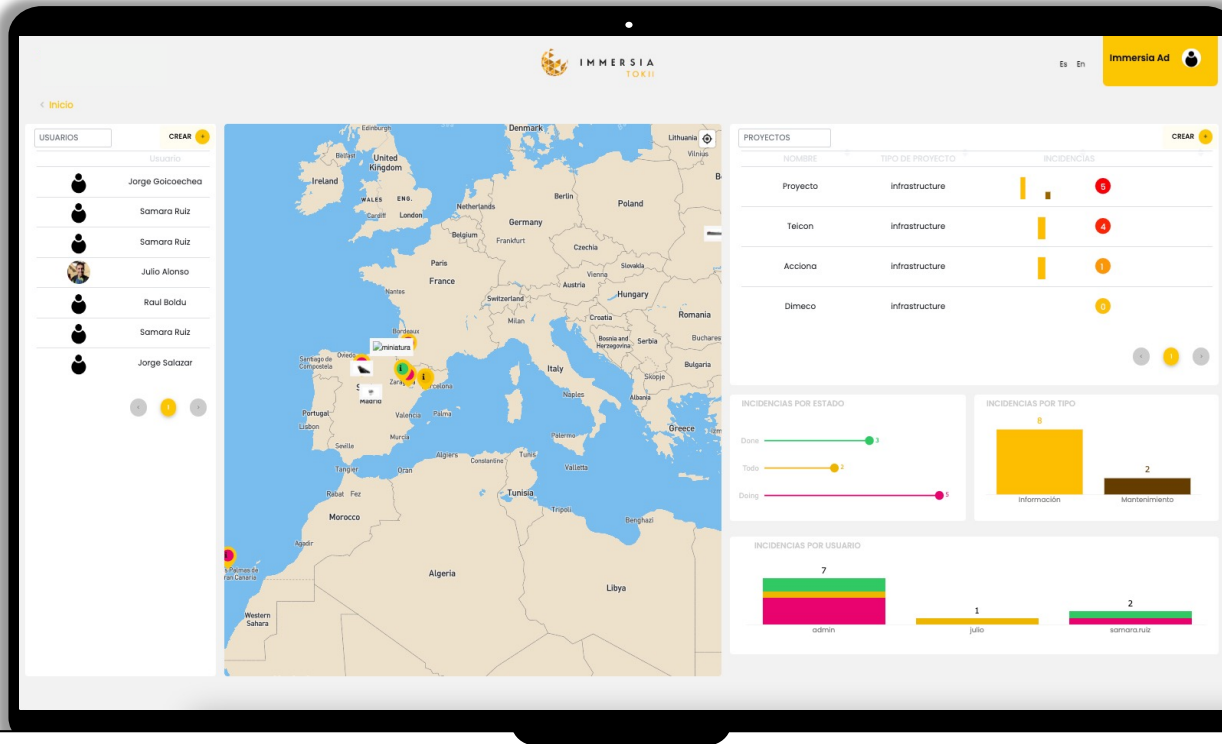
Virtual representation of a machine or a manufacturing process, which is connected to a machine or process through data captured in real time, and helps **optimize business performance**.

The technology behind digital twins seeks to have a digital "copy" of a physical element, in order to **monitor and analyze** its reaction to certain stimuli or circumstances, and serves as a bridge between the physical and digital worlds.



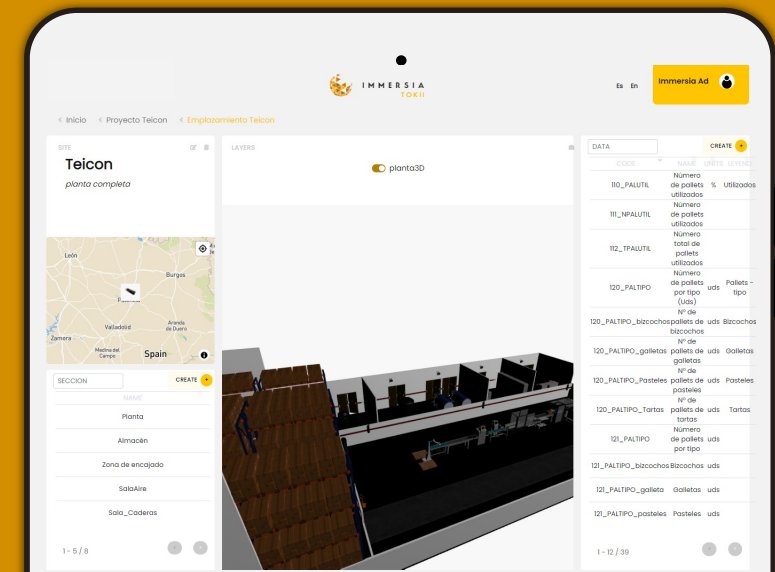
BENEFITS

1. Production optimization
2. Lower maintenance costs
3. Real time monitoring
4. Greater knowledge and improvement in decision making



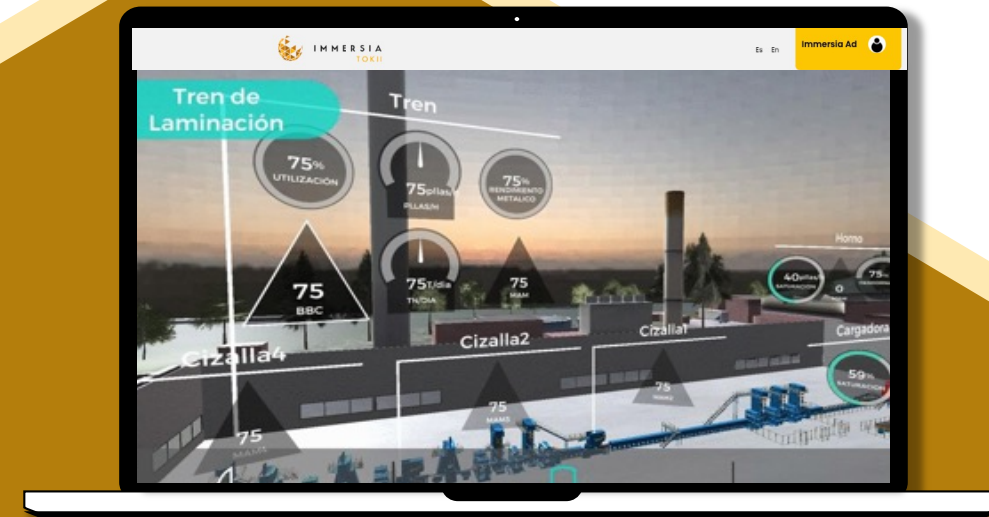
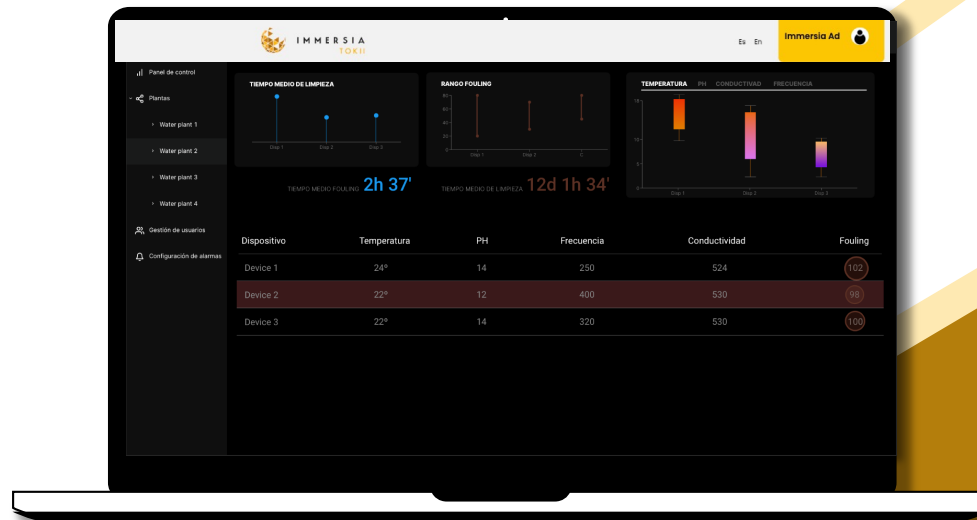
Allows you to edit and create new information displays in the form of **labels** or **various graphs**

It offers a **complete administration panel** with management of users, groups, permissions, alarm configuration and document management of the facilities



Podrás crear **flujos de navegación en multiniveles**, con visualizaciones intuitivas e interactivas

Its **3D Editor** allows you to design the environments, by creating virtual replicas from 3D models and data on labels and graphics



FEATURES



Multi-device platform

Apart from a tablet device, it can be connected to the app from a PC, a large screen or VR glasses

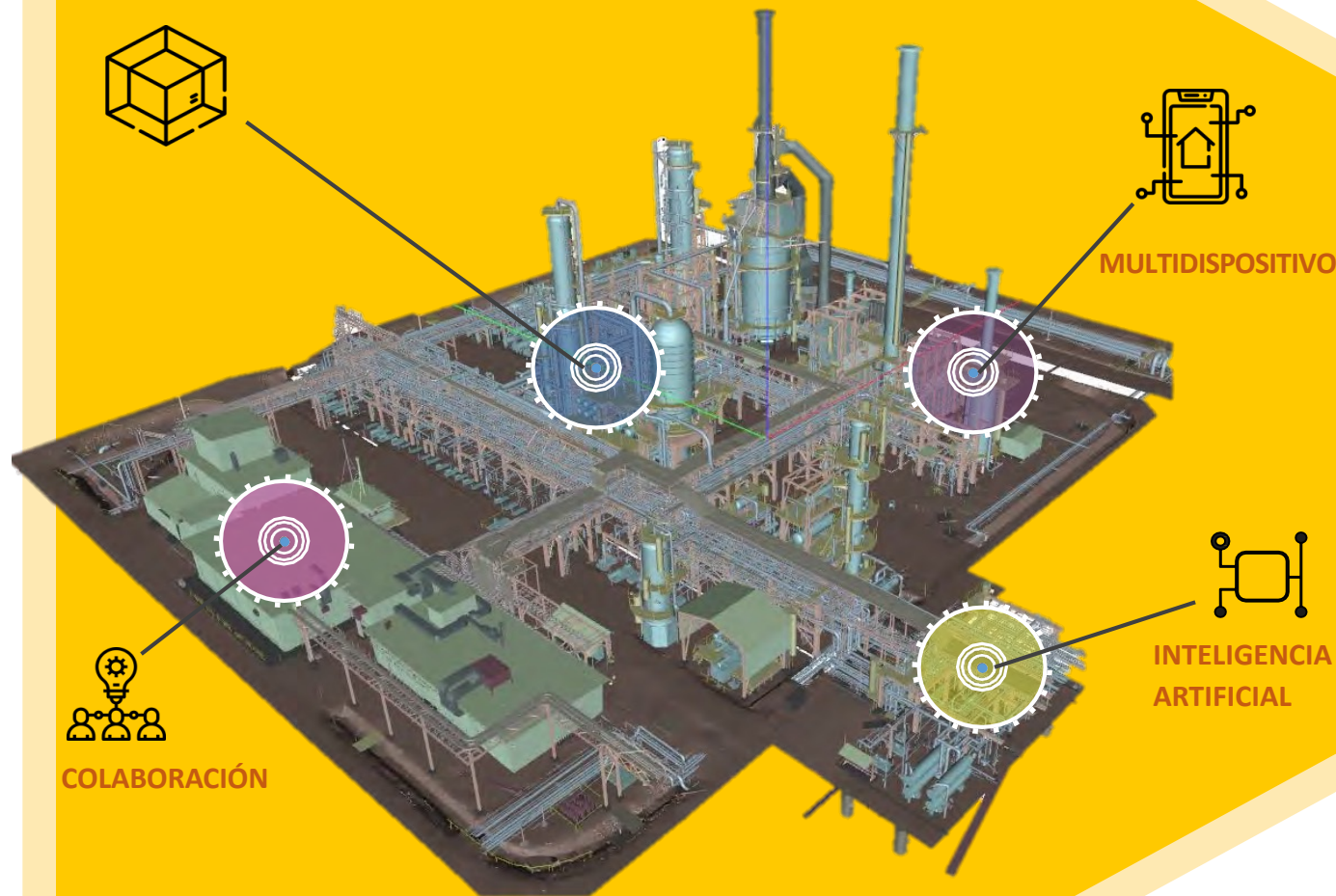
Collaborative Environment

Users can connect to the same environment from different devices to jointly view the status of the project.

Flex architecture

Connection with data sources that may affect the progress of the work, such as weather, state of machinery, state of the sea/waves, etc.

REPRESENTACIÓN 3D



COLABORACIÓN

INTELIGENCIA ARTIFICIAL

BENEFITS



- **Agility in data interpretation** through intelligent models, animations, and intuitive interaction with assets.
- **Cost and time savings** for inspections by facilitating early identification of errors, disagreements and other issues in construction
- **Better informed and more effective decision making** thanks to the integration of different sources of information
- Better project **coordination** and progress **monitoring** in remote work.
- **Transparency** between the multiple work teams



SIEMENS Gamesa
RENEWABLE ENERGY

rtve

Teicon
INGENIERIA

sidenor

surphase
Smart Water Engineering

DIMECO

PRIMETALS
TECHNOLOGIES

acciona
energía

RELACIONES DE **ÉXITO**

Que nos hacen mejores

Challenge



Highly digitized factory need to efficiently interpret and use a large volume of data.

Solution

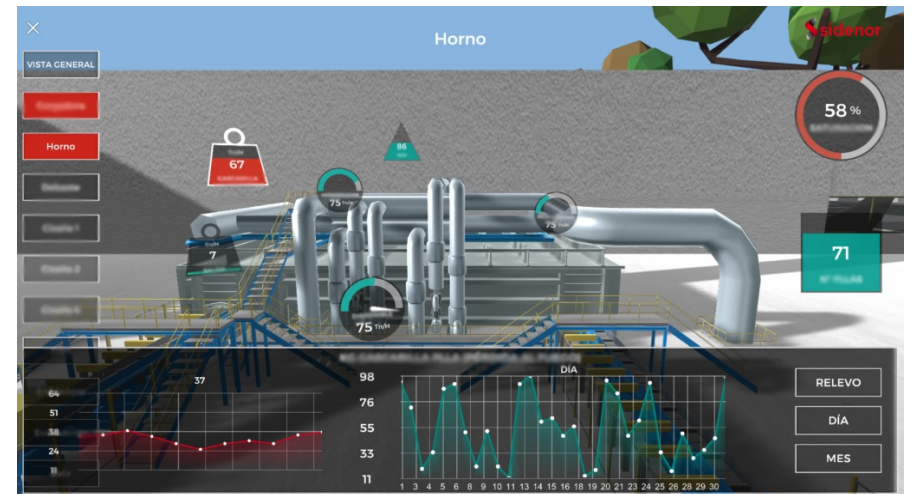


Development of a Digital Twin with real-time and historical KPI monitoring, with a visual intelligence layer.

Benefits



Plant managers informed at all times of the entire process operation, receiving notifications of incidents, even if they are not present.



Challenge



Understand the **conclusions** their simulation system was reaching. It was difficult to interpret the results generated in the report due to the lack of a **more explanatory viewer**.

Solution

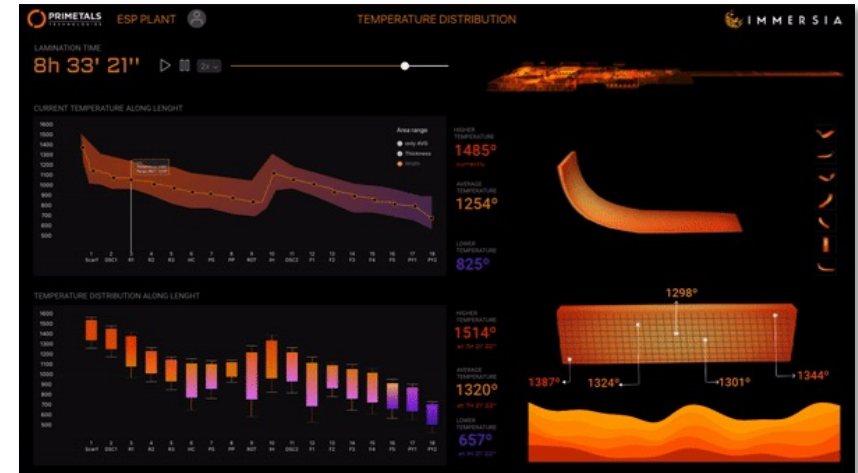


Exact replica of the industrial plant, including all the dynamics of its processes, providing it with a **layer of visual intelligence** of data in real time to its visualization platforms.

Benefits



The development of this visualization system has allowed them to achieve better **user interaction** and **optimal understanding** of the conclusions that come from the simulation engine.



PRIMETALS
TECHNOLOGIES

Challenge



Monitor and manage broadcasts from more than 200 centers and react as soon as possible to incidents that may occur in real time.

Solution

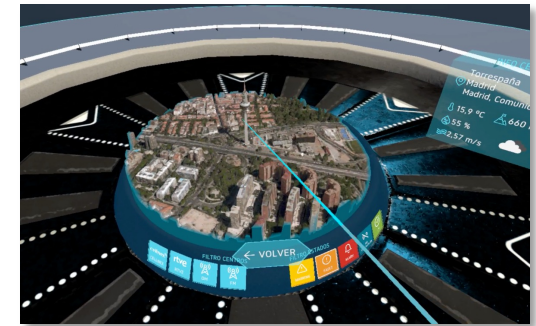
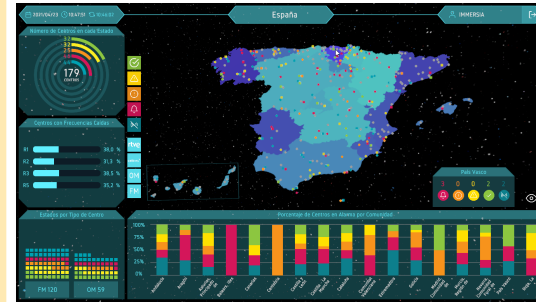


Advanced control panel in 3D environment intuitively showing data generated by the broadcast towers of the entire Spanish geography.

Benefits



Estar conectados a su cuadro de mando de última generación y controlar la calidad de emisión de sus centros gracias al valor que aporta la inteligencia visual.



rtve

Challenge



Fabricantes de sensores IOT generan gran volumen de datos y necesitaban alojarlos todos en una plataforma, analizarlos y tener una capa de visualización intuitiva.

Solution

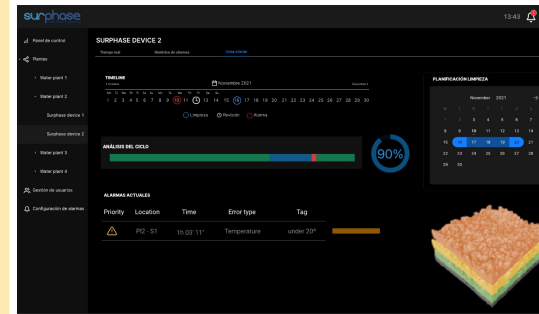
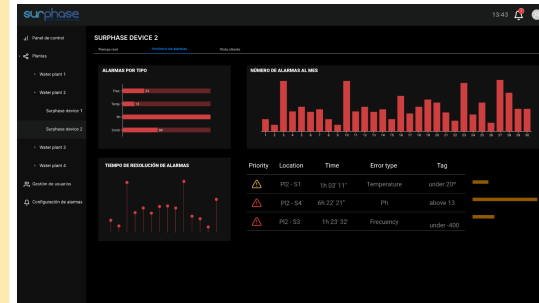


Plataforma para la optimización de plantas de producción de agua mediante algoritmos de machine learning con mantenimiento predictivo y cuadro de mandos con visualización avanzada

Benefits



Tener la capacidad de predecir incidencias de sus sensores (suciedad) y ofrecer a sus clientes un **servicio más integral** de sus dispositivos con una capa de visualización de última generación



Challenge



Disponer de una plataforma de visualización avanzada diseñada para la supervisión centralizada. Necesidad de una visión unificada e integrada de todos los procesos en tiempo real.

Solution

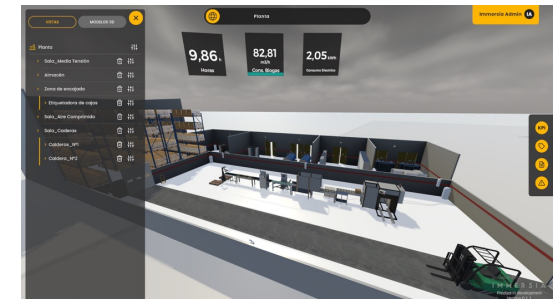
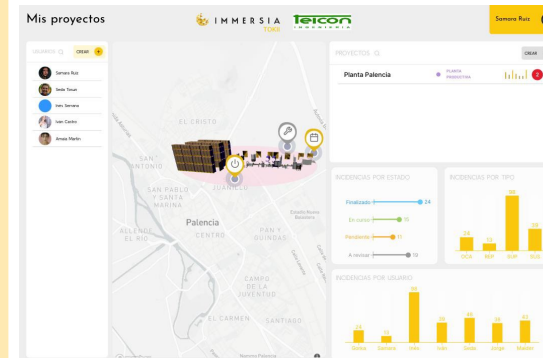
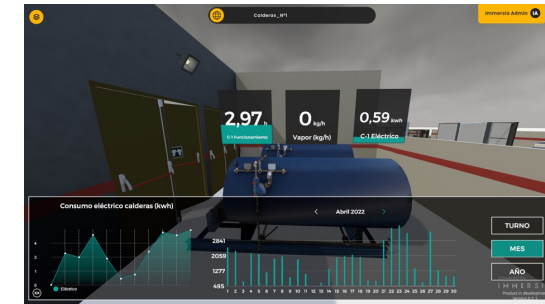
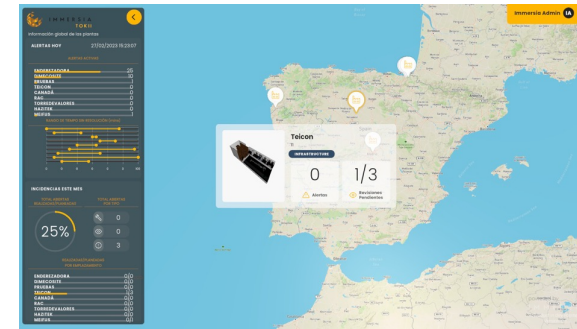


Modelo digital con acceso a un entorno interactivo de información estática de mantenimiento de las instalaciones de planta y conexión a los datos en tiempo real para su monitorización.

Benefits



- Supervisión centralizada
- Agilidad en la interpretación de datos
- Optimizar tiempo de respuesta ante incidencias
- Mejora en la toma de decisiones



telcon
INGENIERIA

Challenge



Representación Gráfica avanzada del HMI de sus líneas de fabricación completa

Solution



Visualización avanzada basada en gemelo digital, adaptada a las necesidades de Dimeco

Benefits



- Mejora de la productividad
- Ahorro en costes y tiempo
- Nueva línea de negocio
- Satisfacción del cliente



Challenge



Cálculo del bucle y la velocidad de producción de sus procesos de fabricación.

Solution



Escenarios de aplicación de gemelo digital e IA

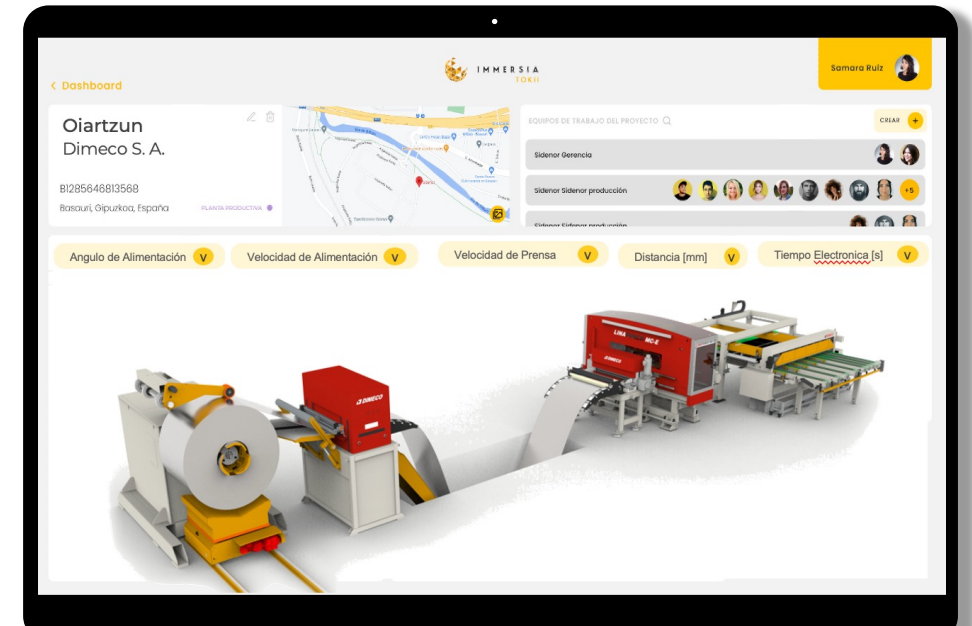
Benefits



- Mejora de la productividad
- Ahorro en costes y tiempo
- Nueva línea de negocio
- Satisfacción del cliente

Analítica
visual

Aprendizaj
e
automático



 **DIMECO**

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