

The background of the slide is a composite image of an industrial facility. The top half shows a bright, high-ceilinged factory with several red robotic arms suspended from overhead cranes. The bottom half is a darker, more detailed view of a robotic arm, likely a KUKA, mounted on a large, circular, rotating base. The arm is red and yellow, and it's positioned over a work area. The overall lighting is industrial, with some bright spots and shadows.

EPLAN Software & Service at a glance

Automatización, Telecontrol, Digitalización y Gestión de la Documentación de Instalaciones de Tratamiento de Agua

Friedhelm Loh Group – Facts & Figures

FRIEDHELM
LOH
GROUP



1961
Foundation

Family
owned

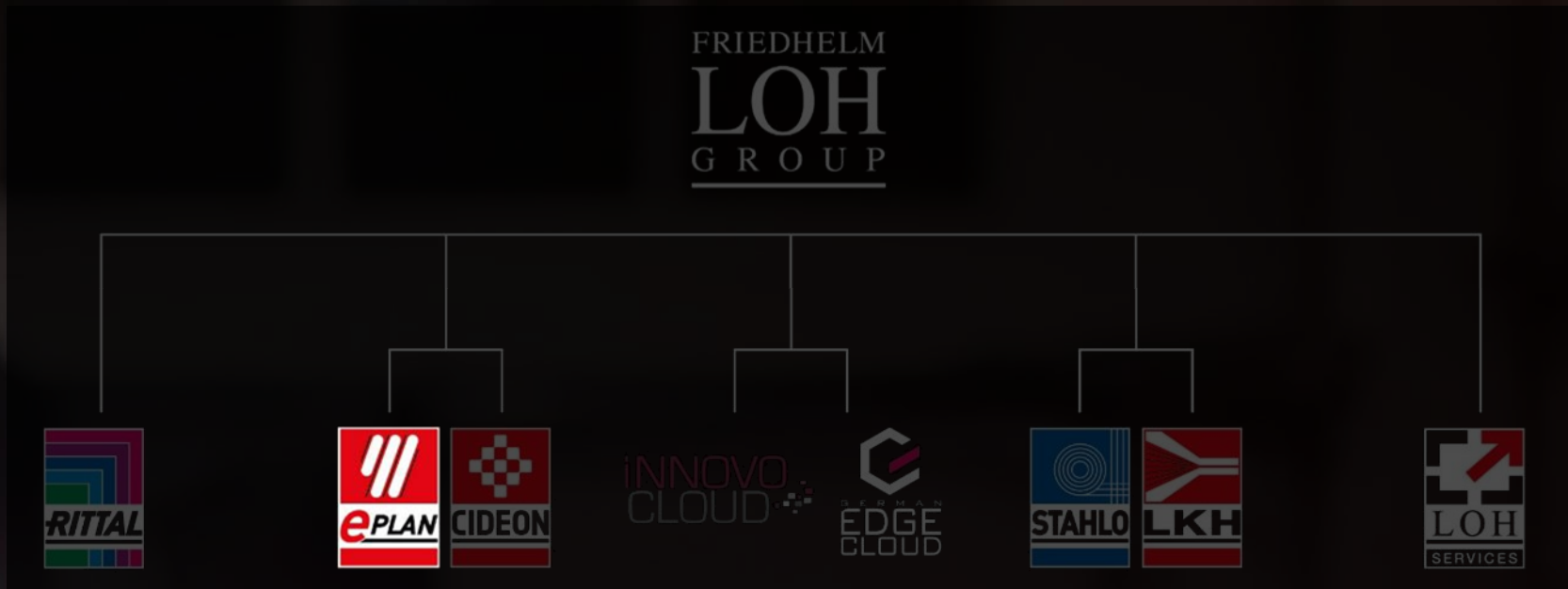
18
Manufacturing Plants worldwide

80
Subsidiaries worldwide

2.6 billion
Euro revenue

12.500
Employees worldwide

EPLAN Software & Service – Facts & Figures



#1 Software
in Electrical / Automation
Engineering

50 countries
Coverage worldwide

19
Languages

> 55.000
Customers

> 173.000
Licences

> 1.000
Employees worldwide

The EPLAN Platform

Best-in-class electrical & fluid engineering on a common data model

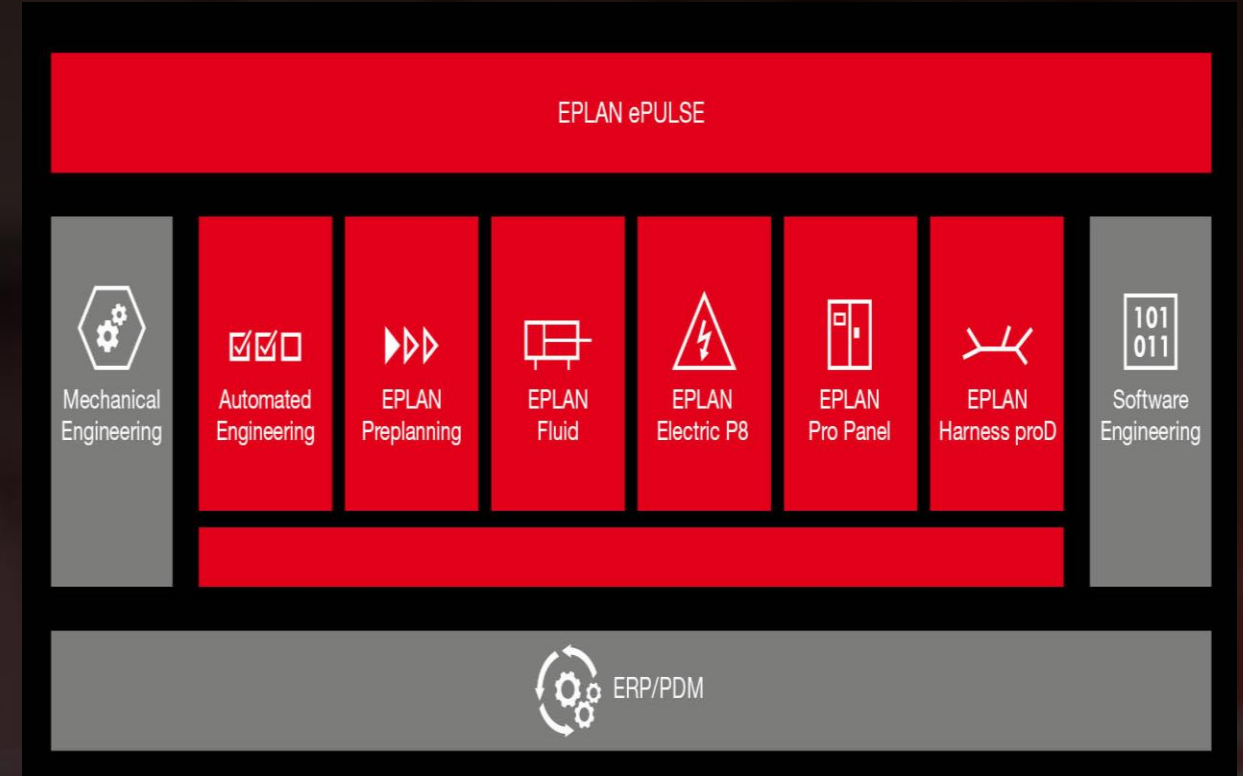


EPLAN for Water Industries

EPLAN Platform

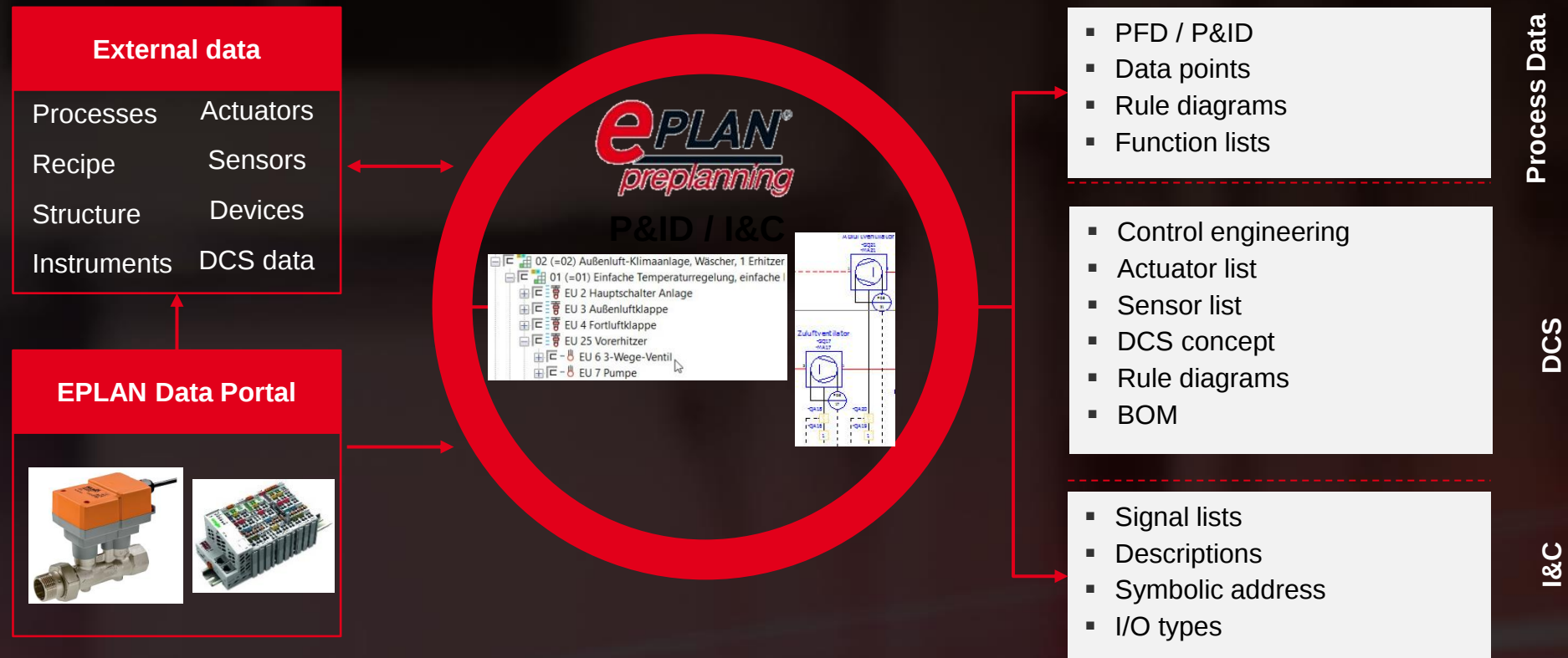
EPLAN Platform offers

- soluciones específicas para necesidades individuales
- uso de datos uniforme y estandarizado en todas las disciplinas para evitar redundancias y cortes de medios
- redes digitales de los participantes del proyecto para una comunicación mejor y más rápida
- La integración y conexión de diferente sistemas permiten procesos más eficientes
- el uso de servicios en la nube para mantenimiento y reparación para una operación óptima y rentable de la planta



EPLAN for Water Industries

EPLAN Preplanning – high performance in Basic Engineering



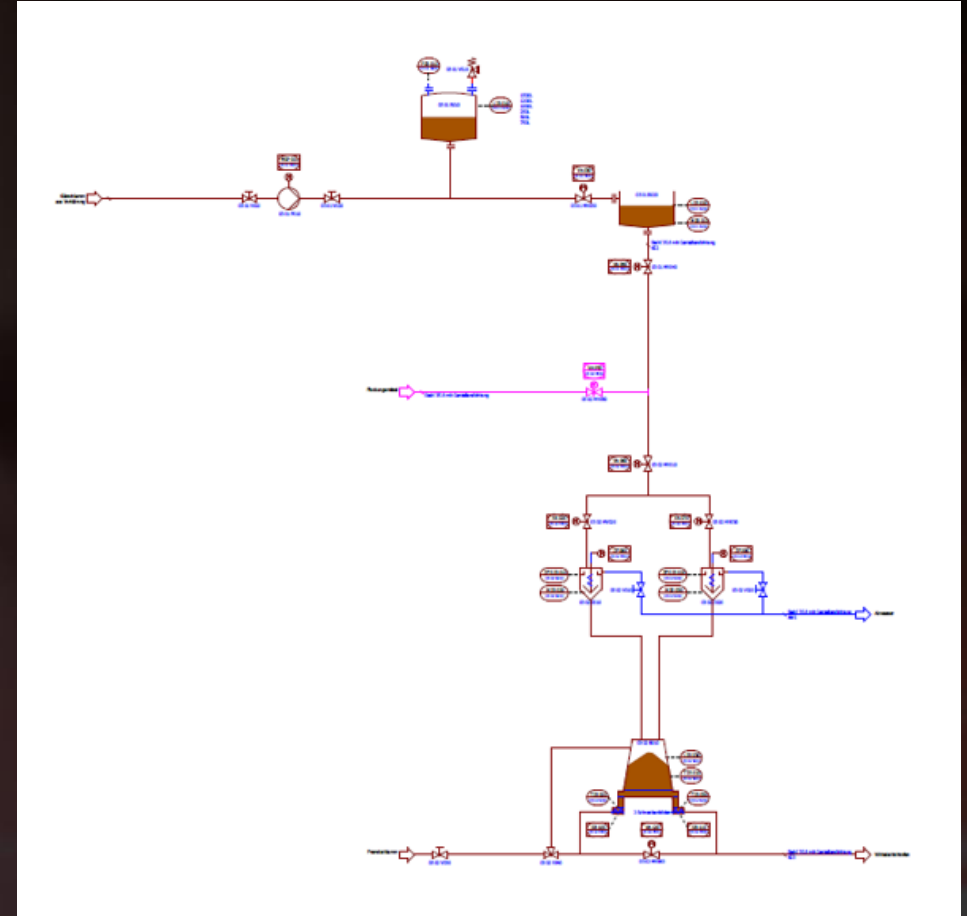
- Quick preparation of specifications for material procurement
- High-performance transfer of the basic engineering data for next engineering phases (Detail Engineering)

EPLAN for Water Industries

EPLAN Preplanning – Focus on P&ID

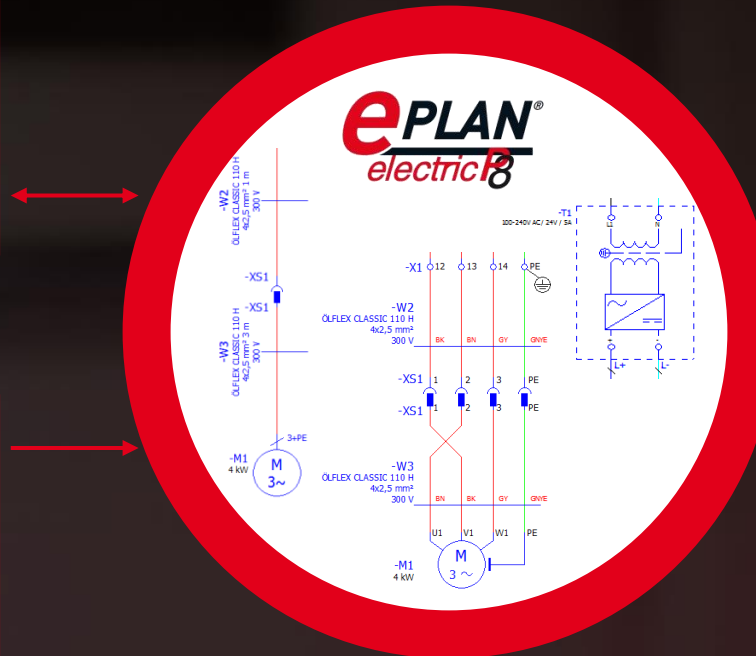
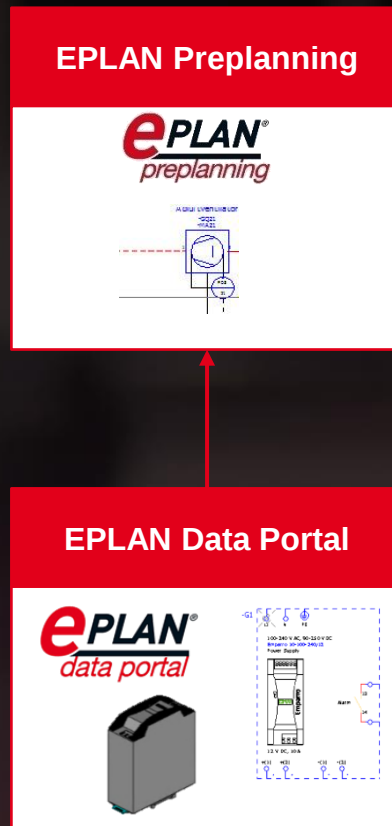
Creating P&ID`s Preplanning supports

- An usage of plant identification systems (tagging systems) like RDS – PP and further more
- Schematics according to DIN EN ISO 10628
- Piping symbols according to DIN 2429
- Measuring and control stations according to standards EN 62424/ISO 3511 or ISA S5.1
- Effect lines of control and regulating elements also according to EN 62424 or ISO 3511
- DCS concept following to NAMUR proposal



EPLAN for Water Industries

EPLAN electricP8 – Market leader in Detail Engineering



- Article parts list
 - Terminal diagram
 - Cable diagram
 - Connection list
 - Connection diagram
 - Terminal connection diagram
 - 2D cable length determination
- Resources
 - Connections
 - Terminals
 - Push button
 - Cabinet
 - Connector
 - Excel data
 - XML data
- I/O lists
 - Functional texts
 - Bus Topology
 - SPS Rack Overview
 - SPS Overview

Manufacturing
documentation

Lettering

PLC
Integration

EPLAN for Water Industries

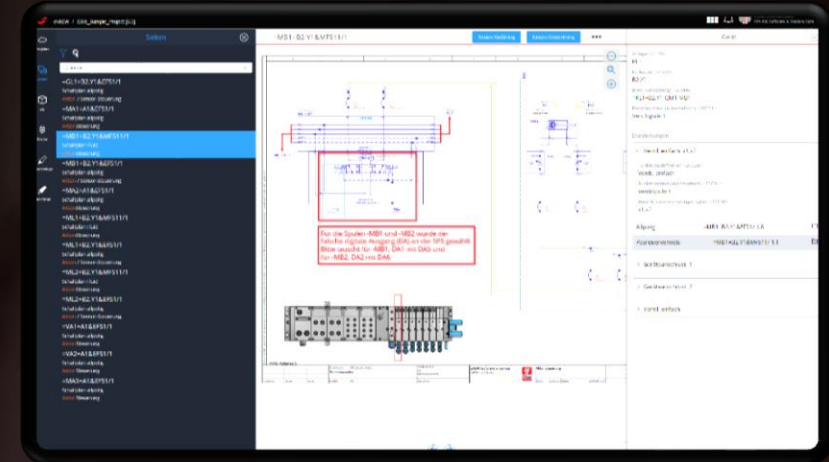
EPLAN Pro Panel - high efficient enclosure design



EPLAN for Water Industries

EPLAN eView - easy project collaboration

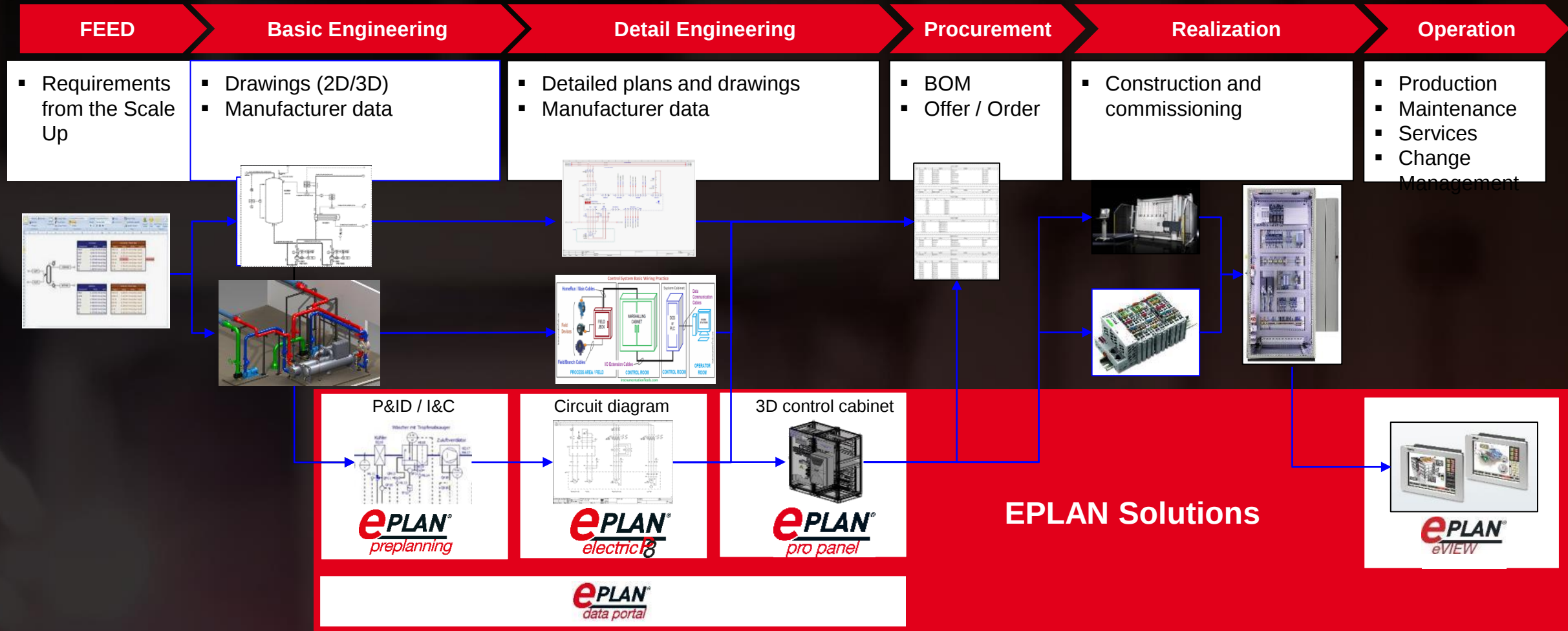
- Puesta a disposición rápida y actualizada del proyecto EPLAN para operación y mantenimiento
- Solución rápida de problemas
- Líneas rojas y líneas verdes
- Respetuoso con el medioambiente, papel 0
- Acceso vía navegador sin instalación



Fácil de usar sin ningún esfuerzo de instalación o capacitación!

EPLAN for Water Industries

EPLAN enables added value from basic engineering to operation



EPLAN offers integrated planning without media breaks from Basic Engineering!

PROCESS CONSULTING

ENGINEERING SOFTWARE

IMPLEMENTATION

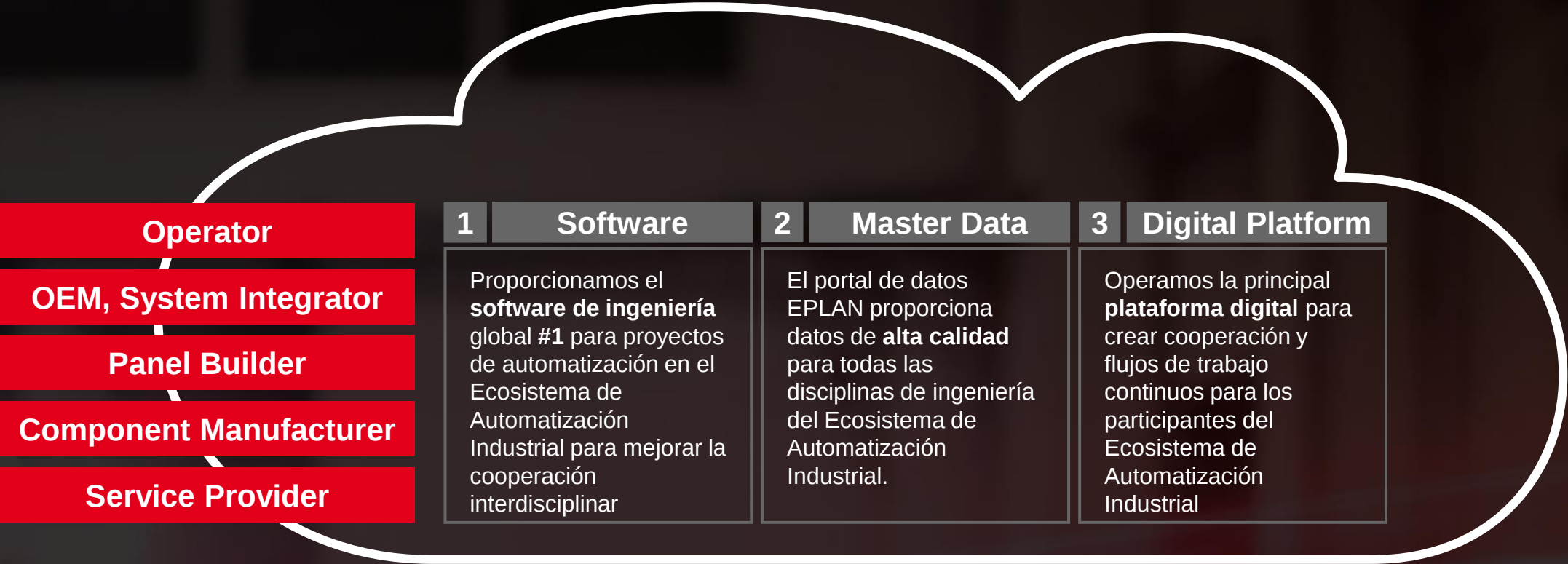
GLOBAL SUPPORT

Ecosystem of Industrial Automation



Creating a digital ecosystem for Industrial Automation

La Plataforma Digital es el hub de todos los participantes del Ecosistema de Automatización Industrial



Su beneficio: Ingeniería Eficiente en un mundo conectado digitalmente.

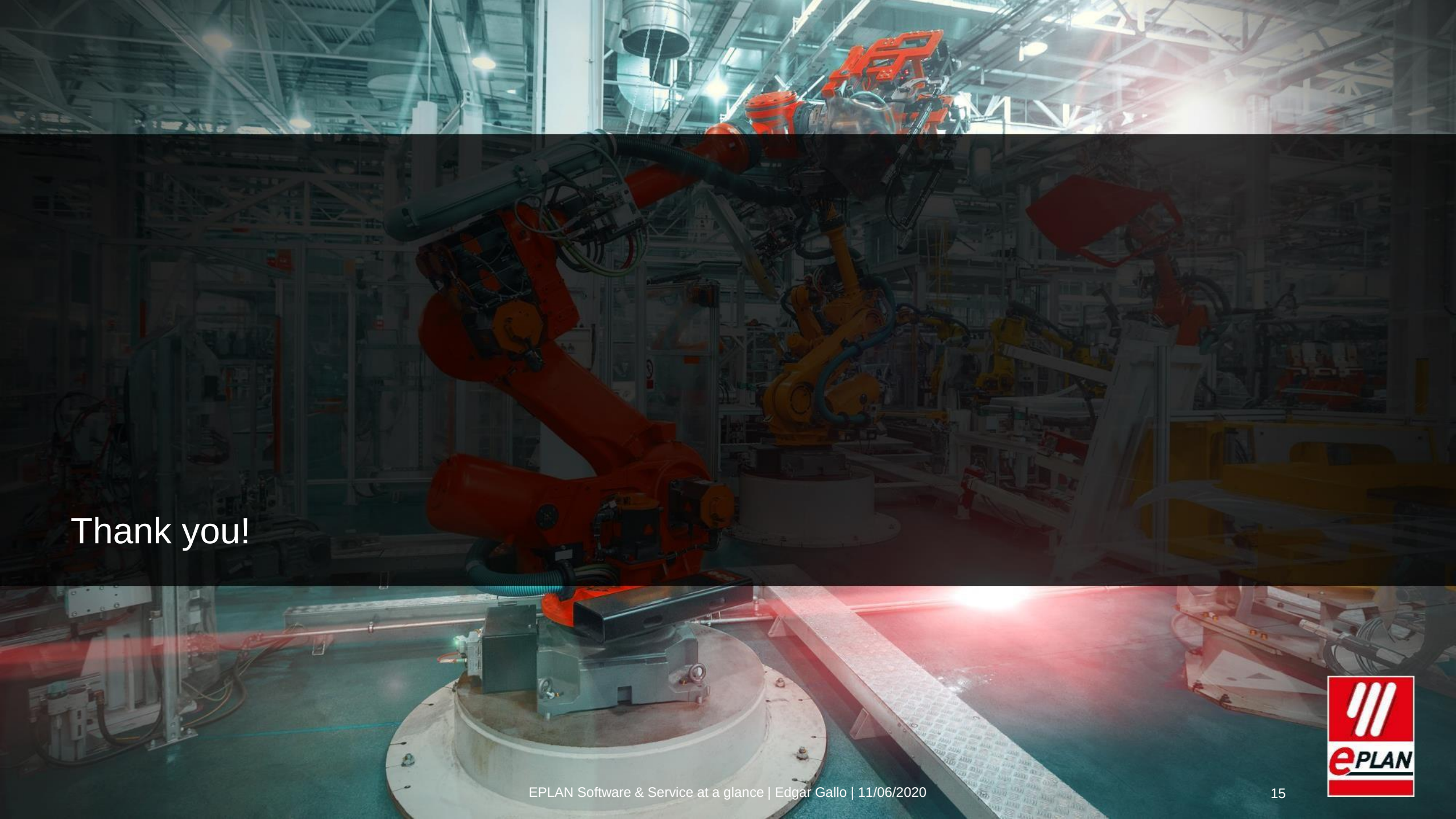
Beneficios

Mejora de tiempos de operación, mantenimiento, desarrollo y fabricación

Disminución del número de errores. Tendencia a 0 error.

Mejora la calidad



A large industrial robotic arm, primarily red with yellow joints, is positioned in a factory environment. The background shows a complex network of steel beams, pipes, and other industrial equipment under bright overhead lights. The scene is dimly lit, with the primary light source coming from the top right, creating a strong glow and casting long shadows.

Thank you!