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## **Excelencia Operacional en Centros de Control**

## **Remotización de la Operación**

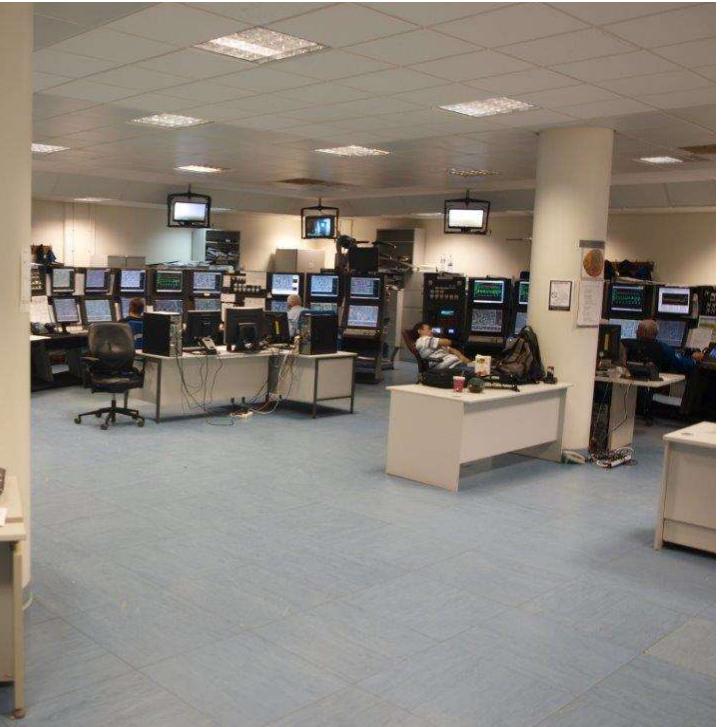
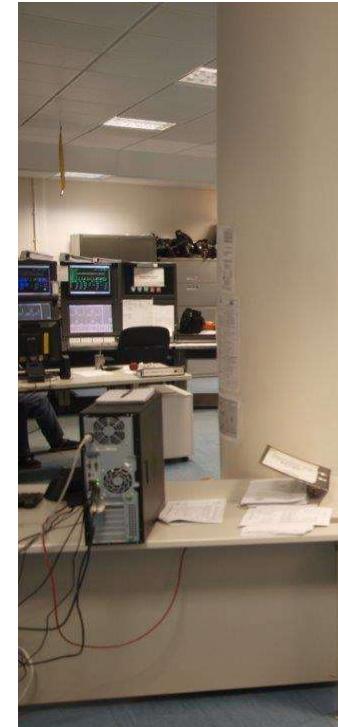
## Excelencia Operacional en los Centros de Control

Múltiples sistemas integrados en una sala de control centralizada de diseño ergonómico para un rendimiento óptimo



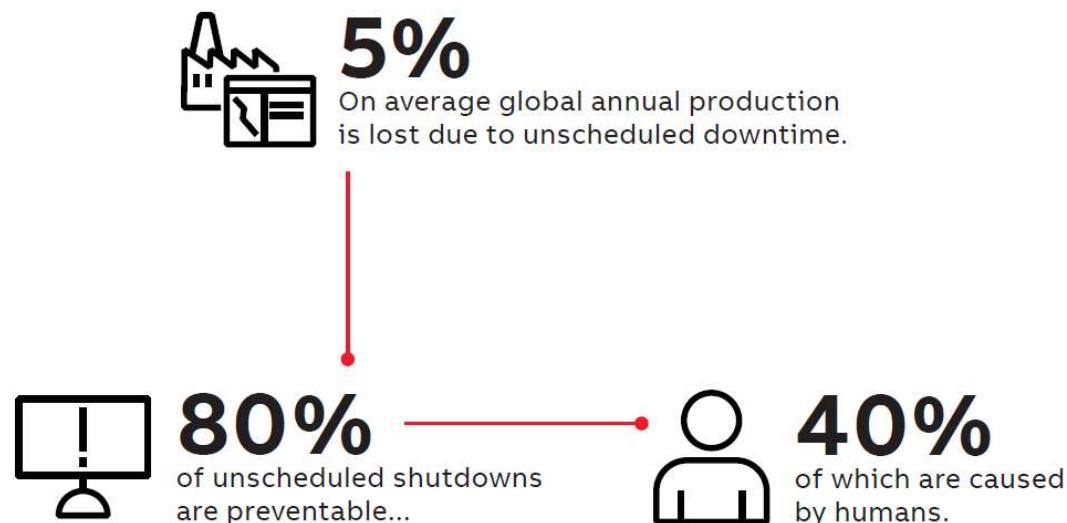
# Una vista familiar en una sala de control "normal" hoy

Un entorno que se ha desarrollado durante las iteraciones

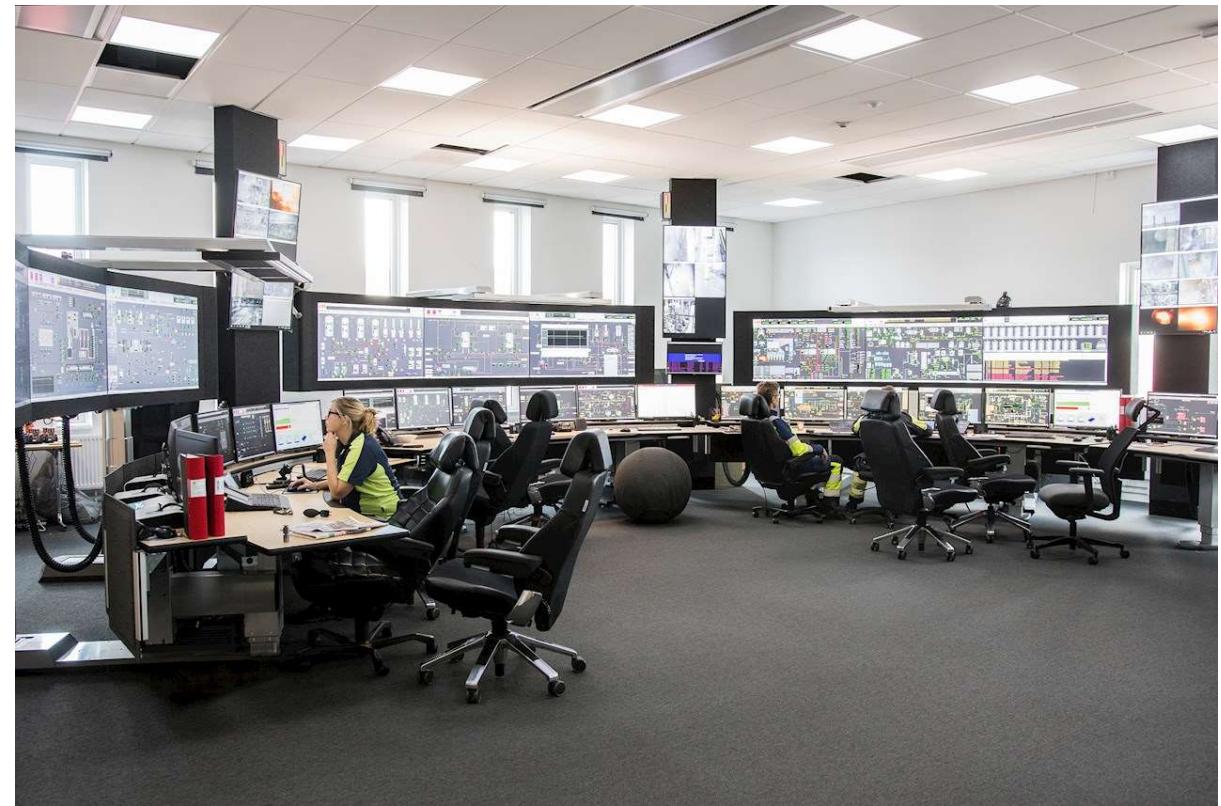


# La transformación digital empieza desde el Centro de Control

ABB puede ayudar a planear, diseñar e implementar un moderno y productivo Centro de Control



SCA Östrand pulp mill



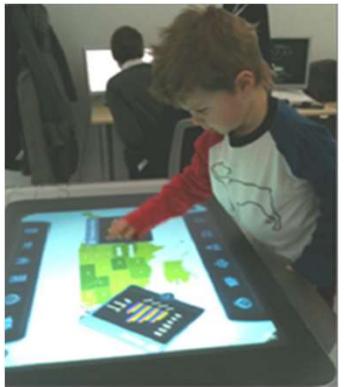
# Una nueva era industrial, nuevos requisitos y funcionalidades

El entorno en un Centro de Colaboración inteligente es la clave para un control real



## Fuerza laboral integrándose a las Operaciones

Uso de nuevas tecnologías digitales casi de forma innata



Operator?



Maintenance engineers?



Plant manager?



Robot programmer?



Production planners?

# Nuevos Centros de Control con una enfoque en el análisis de datos

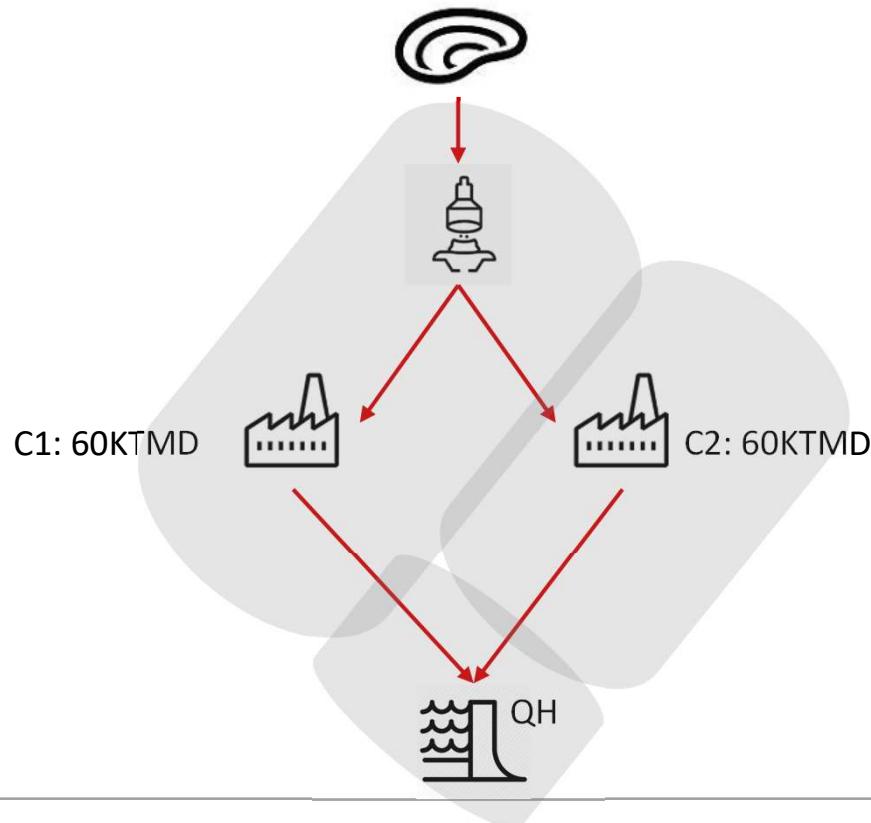
Conecta a las personas, equipos y servicios a través de la plataforma tecnológica de digitalización



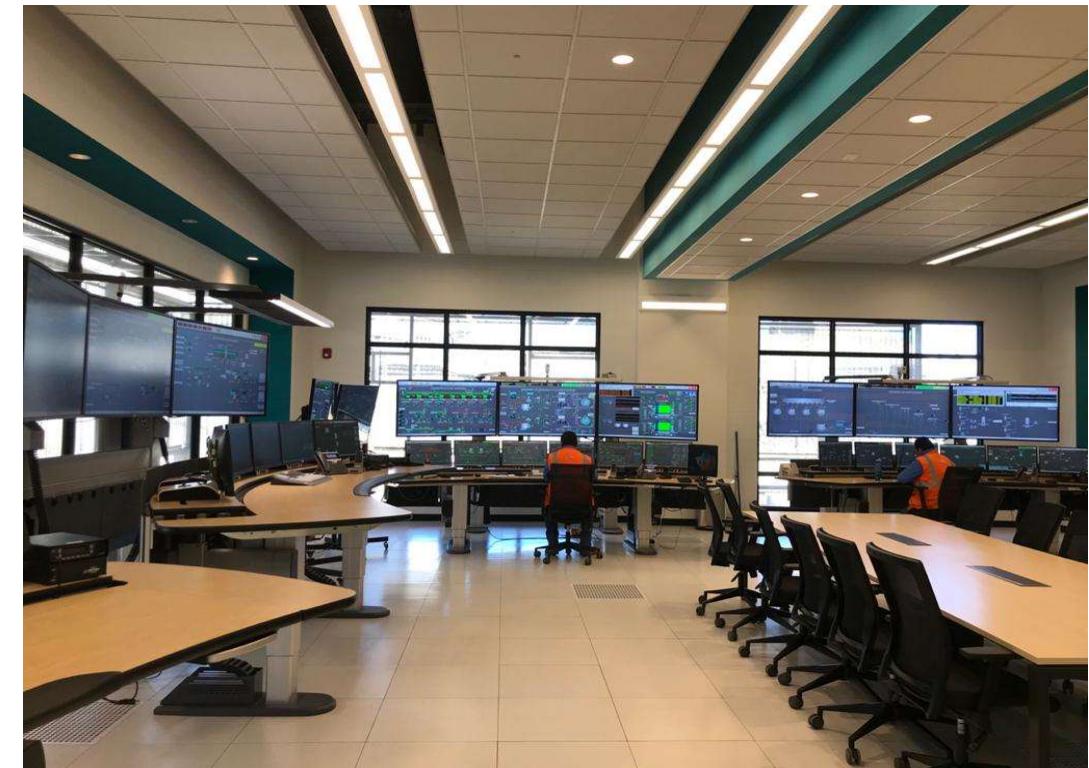
# ABB Ability™ INTEGRACION TOTAL

Total Integration in 800xA DCS Control System - TOQUEPALA Southern  
(Cu-Mo) 2018

## Operación



## Control e Integración



# SysCam for System 800xA

## Product Overview

### SysCam

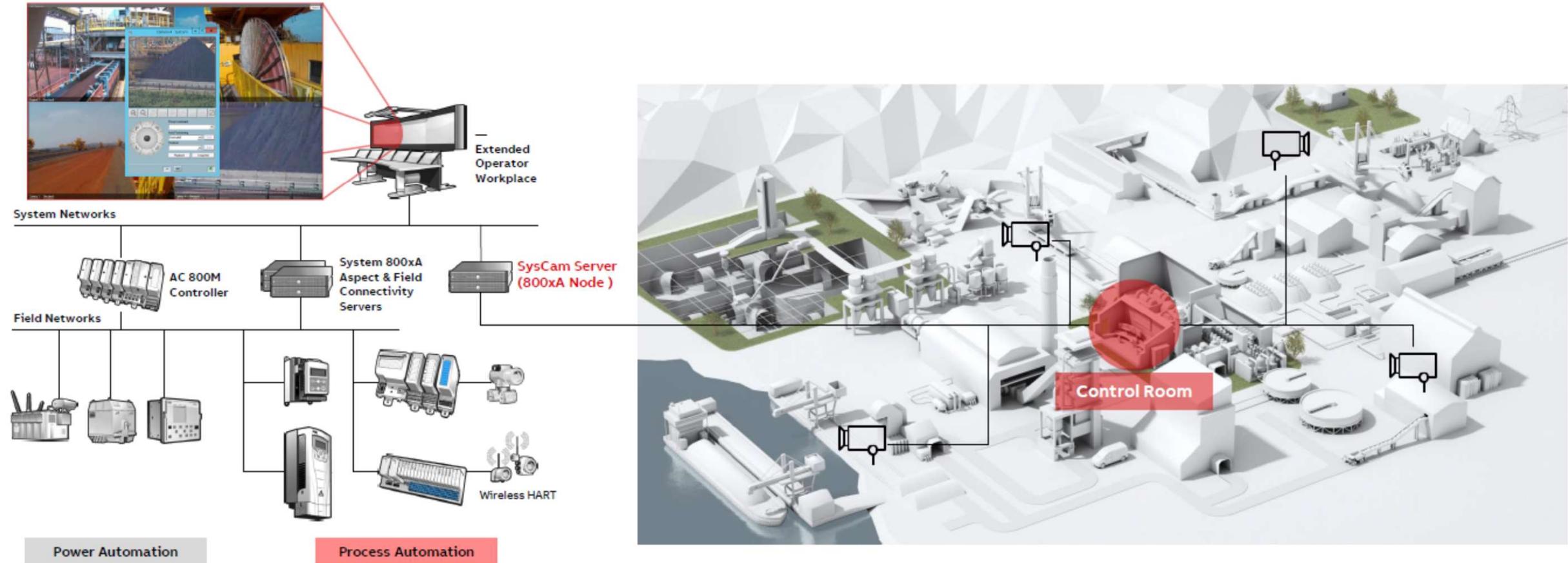
Video surveillance system embedded in 800xA providing a higher level of awareness of the process and power automation

- Aspect-object concept with Faceplate for the cameras
- Centralized management in System 800xA through SysCam Central
- Real-time pattern recognition and image processing
- Mobile camera integration



# SysCam for System 800xA

Video surveillance at the control room with the power of integration of System 800xA



# SysCam Image Analysis

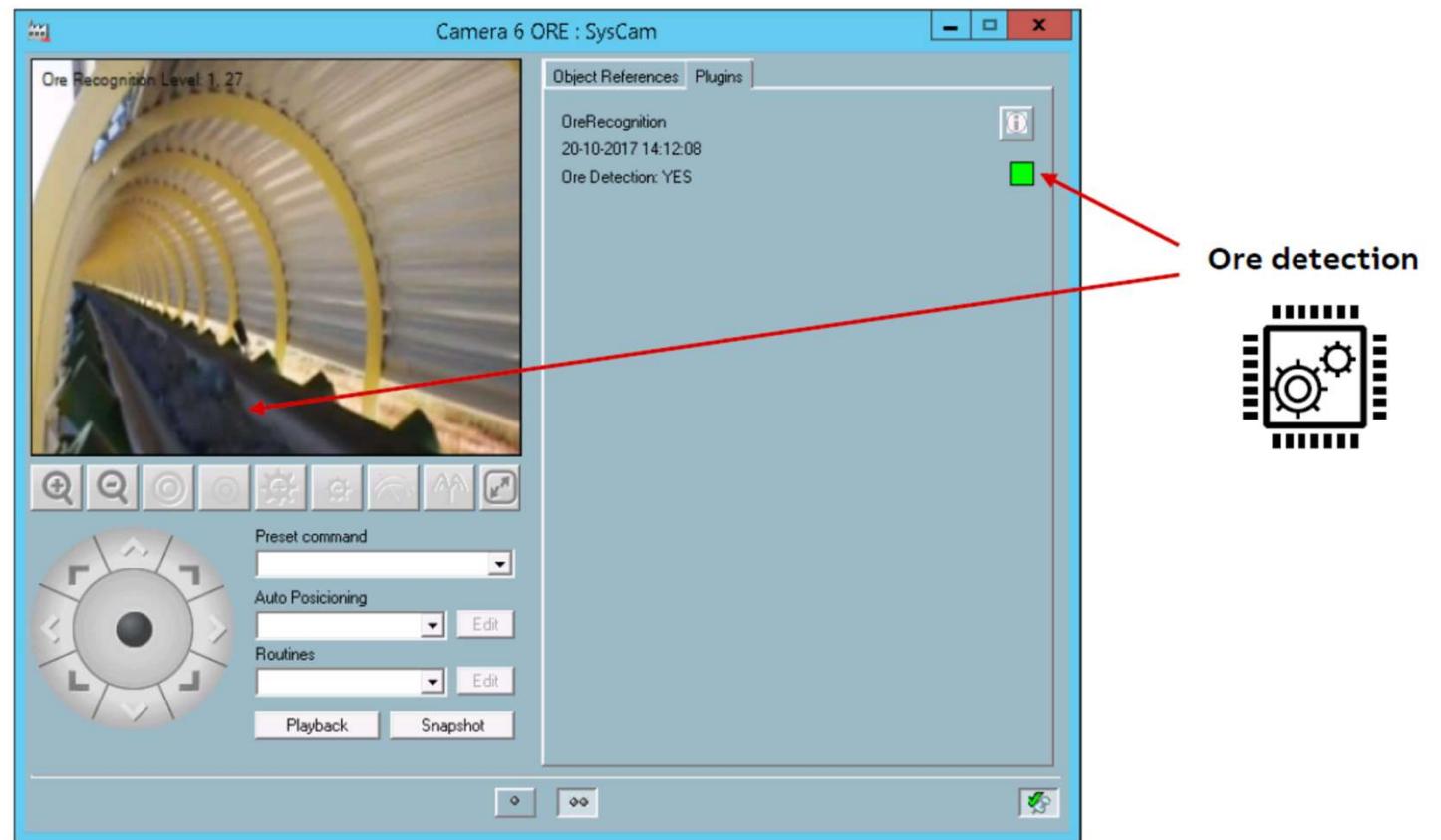
## Intelligent Image Recognition

### Coding the image inside 800xA

SysCam enables intelligent image recognition for any specific application. Examples:

- Ore detection in conveyor belts
- Flotation bubble analysis

The intelligent detections might trigger actions in System 800xA such as equipment start/stop; alarm generation



# Integrated 3D operation view application

## Complete Virtual Plant with KPIs

### Application

Sys3DKPI provides the next level of plant operation with 3D environment. Main features:

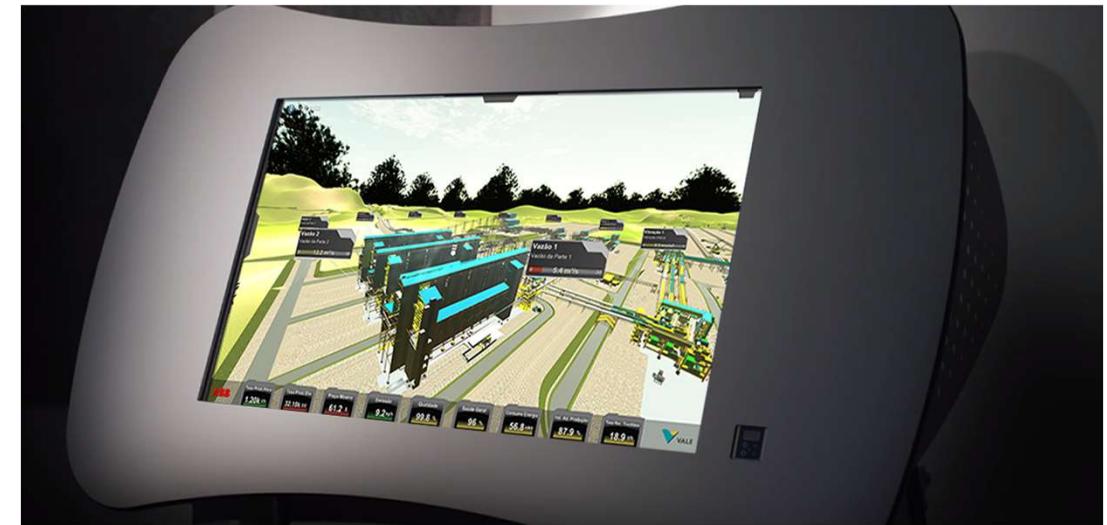
- Zoom spots with detail models
- Floating KPIs per zoom spot
- KPIs with trends, videos, graphics
- Plant tours
- Subscribe to process data values from 800xA.

Operation and collaboration



# Sys3D-KPI

Sys3D-KPI is an application that provides a collaborative operation, monitors and displays KPIs, helps plant shift meetings to be more productive and intuitive, facilitates alignment among different operators shifts, and leaves the experience of presenting the plant to customers and shareholders "virtually real".



# Excelencia Operacional en los Centros de Control

Se trata de facilitar la colaboración de todos

