

FANUC

*Foro de Robótica FREMM 2019: La robótica Industrial
en la fábrica del futuro.*



CNC
Controls
Laser technology
Drives



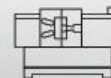
Robots



ROBOCUT
Wire cut
EDM machines



ROBODRILL
Vertical
machining
centres



ROBOSHOT
Injection-moulding
machinery





**Capacidad de producción de
244,000 unidades al mes**

10

**10 laboratorios y
1 Departamento de R&D
para cada grupo**



**1 De cada 2 empleados es
Ingeniero de R&D**



Nikkei top 15

**Over 6,000
employees
worldwide**



An aerial photograph showing a large industrial complex, likely a FANUC factory, with several large buildings featuring yellow and black roofs. The complex is surrounded by lush green trees and fields. In the background, the iconic snow-capped peak of Mount Fuji rises against a clear blue sky. The text "Venimos de un lugar muy especial" is overlaid on the image, with "un lugar muy especial" in yellow and "Venimos de" in white.

Venimos de **un lugar muy especial**

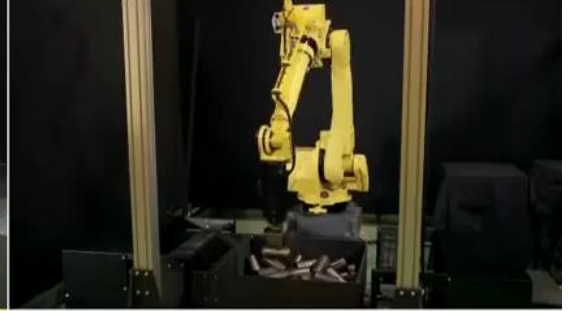
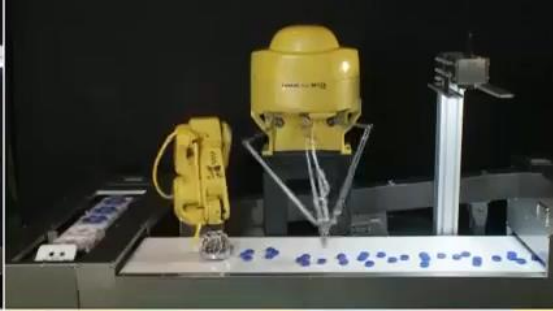
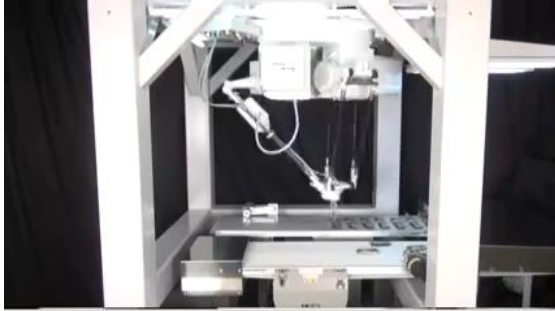


- **Smart Factories:** *Haciendo realidad la fábrica del futuro con FANUC.*
- **Robots Inteligentes para Fábricas Inteligentes:** *Robots Colaborativos*
- *Soluciones para la **Industria 4.0/IIoT***
- **Futuro :** *Inteligencia artificial, Deep Learning*

Nuestras instalaciones en Japón, son probablemente, las mas automatizadas del mundo



Robots Inteligentes para Fábricas Inteligentes



Robots Colaborativos



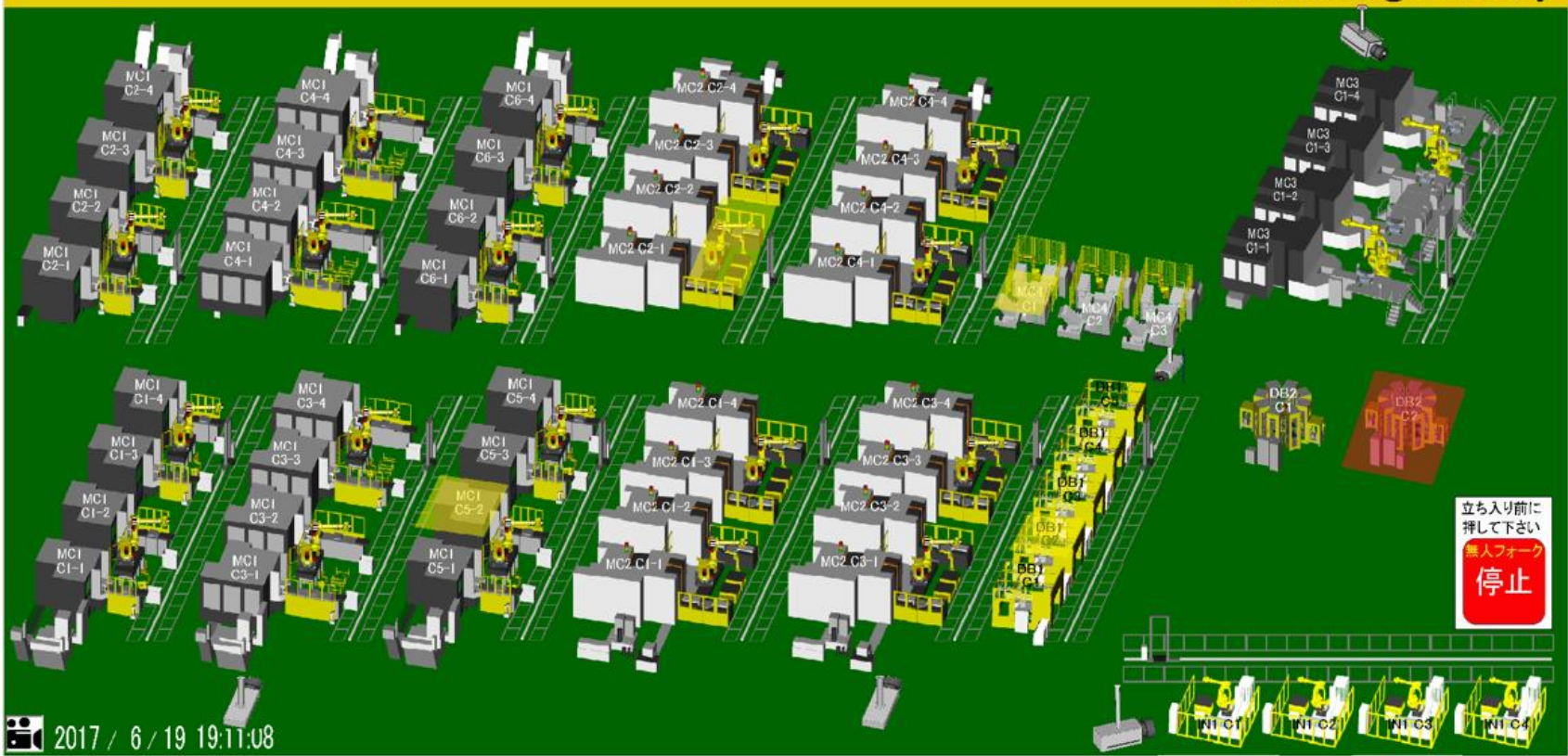
Soluciones para la Industria 4.0/IIoT

MT-LINK*i*

The easy way to collect data

Operation management software running on standard PCs.

Collect data and monitor the status of your factory's production equipment



立ち入り前に
押して下さい
無人フォーク
停止

Run

Manual/Stop

Alarm

No signal



2017 / 6 / 19 19:11:08

FANUC Coordinate Measuring Machine 1 18:57

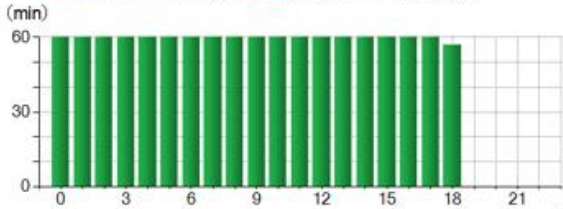


Run Production Status

Product
A290-7333-Y302=50

Operational Status of Today

■ Run
 ■ Manual
 ■ Alarm
 ■ No signal



(h)

iPendant

● 処理
 ● 停止
 ● 待機
 ● 実行

フェィ-138 TP: 10.252.230.167 対話中心
10%

PMS1012 0 行 AUTO終了
■ G1 プログ

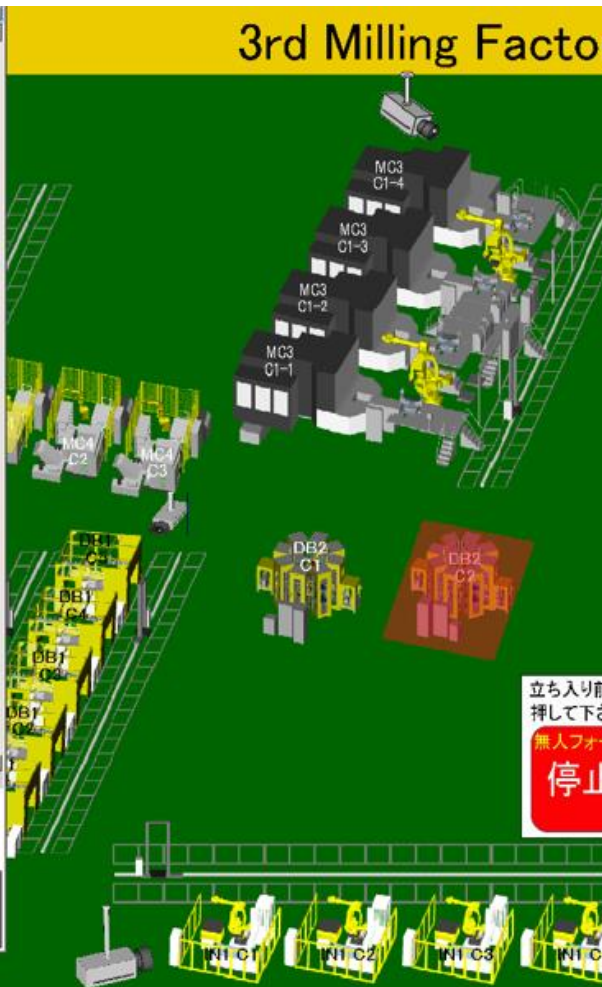
#	時刻	状態	内容
D1	11	U	待機
D1	2	U	待機
D1	3	U	待機
D1	4	U	待機
D1	5	U	SVA 干渉外
D1	6	U	SVA Ready
D1	7	U	SVA DAMPER OK
D1	8	U	SVA ワーク取付可
D1	9	U	SVA 測定完了
D1	10	U	待機
D1	11	U	分散倉庫干渉外
D1	12	U	治具台車出庫完了
D1	13	U	治具台車入庫完了
D1	14	U	未検査ワーク出庫完
D1	15	U	検査済みワーク入庫
D1	16	U	検査結果ワーク出力
D1	17	U	待機
D1	18	U	台車内作業許可
D1	19	U	待機
D1	20	U	待機
D1	21	U	待機

18/1024

iPendant #1

iPendant #2





Soluciones para la Industria 4.0/IIoT

Zero Down Time (ZDT)

Prevents Factory Downtime with Connected Machines

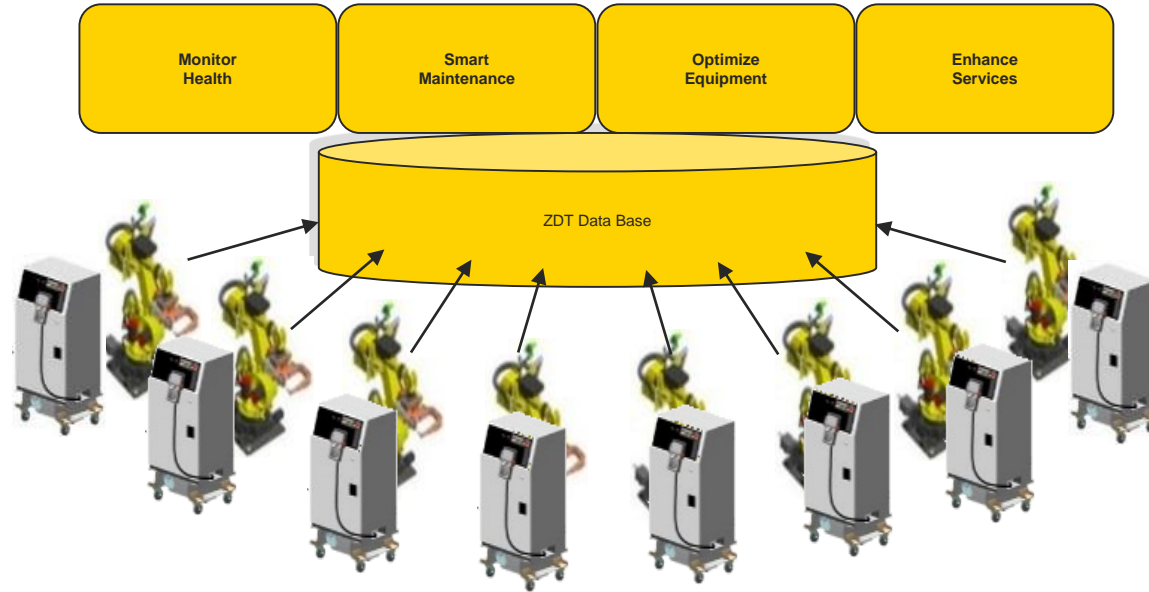


What is ZDT ?

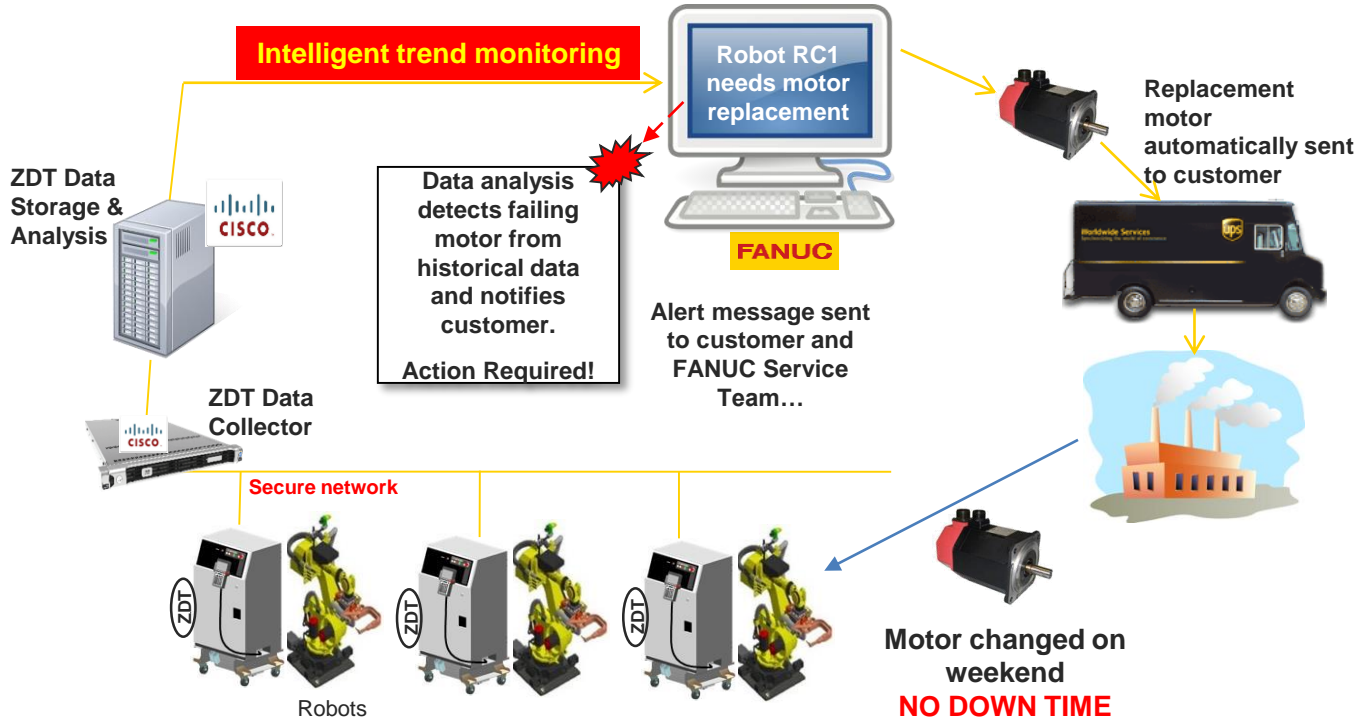


Imagine a factory
that can predict
when equipment is
going to fail
...before it fails!

What is ZDT ?



ZDT Concept



Futuro : Inteligencia artificial, Deep Learning



First, the robot arm tries to pick up iron cylinders at random positions



Muchas Gracias por su atención!

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