



EVENT, DATE

# ABB DCS Collaboration Arena

Third Party System Evolution



# ABB DCS Collaboration Arena

Located in the south of France, Marseille



- The most complete System 800xA Arena with a high level of integration and variety of integrated hardware
- Created as a System 800xA control room, not as a ‘demo center’
- All components for successful customer meetings: Experienced engineers providing interesting demo sessions, complete meeting facilities and a great climate combined excellent dining and lodging
- Easily accessible in the center of Europe – 20 minutes from Marseille Provence Airport and Aix-en-Provence TGV station



---

# System 800xA Automation Arena

Get hands on automation solutions in a fully equipped demo environment.

## Why visit?

- Experience capabilities of our automation solutions in a fully equipped environment, encountering and solving challenging real life scenarios.

## Who should visit?

- Current and future users of ABB control systems and products, C-level executives, operations personnel, engineering professionals, maintenance and reliability professionals
- To learn how to increase asset reliability and utilization, improve operator effectiveness and drive continuous improvements and safety.

---

# ABB DCS Collaboration Arena

The most complete System 800xA Automation Arena



Standard System 800xA demo system with the addition of:

- Current and previous ABB DCS and Third Party DCS consolidation and Stepwise System Evolution
- Control room design
- Building Management System
- Complete meeting facilities

---

# ABB DCS Collaboration Arena

Previous ABB DCS and Third Party DCS consolidation and Stepwise System Evolution

Experience actual ABB and competitor hardware in real-time integration and see how this fulfills our philosophy:  
A stepwise system evolution to only replace what is economically sound while protecting the investment in intellectual property

## **Consolidation:**

### **Control System Consolidation**

- Multi DCS environment consolidation into one single System 800xA HMI

### **Control Room Consolidation**

- Reducing the number of HMI's or control rooms needed to manage the process

## **Hardware Migration:**

### **Hardware replacement**

- Replacement of controllers, I/Os, cabling etc.

---

# ABB DCS Collaboration Arena

## Control room design



The arena is purpose built as a control room with our control room design principles taken into account.

- Operator effectiveness / Human Factors
- Building automation

# ABB DCS Collaboration Arena

## Meeting facilities



- The place to hold meetings to discuss DCS consolidation, integration and stepwise evolution of customers DCS installations
- Complete meeting facilities for up to 8 persons
- Privacy with [Smartfilm glass](#)
- Collaboration table for presentations
- Cafeteria for breaks and lunch
- Beautiful location, excellent lodging and dining nearby

# ABB DCS Collaboration Arena

Building automation integration into System 800xA



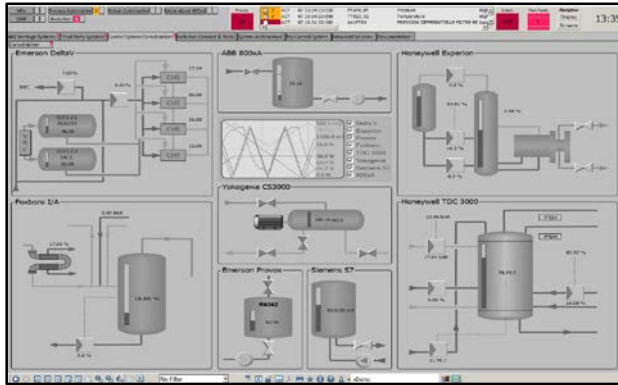
Building automation integrated into System 800xA:

- Lights
- Ventilation
- CCTV
- Historical weather data as input for building management
- Energy consumption/efficiency

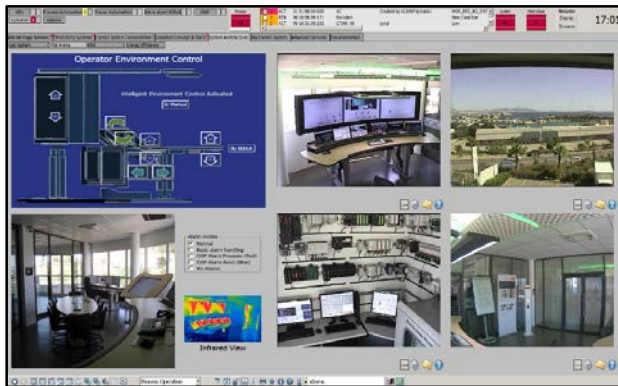


# ABB DCS Collaboration Arena

## Remote online demo capabilities



- Showcases the arena remotely using only a link and a web browser.
- Works in low bandwidth conditions.
- Several participants from several locations can join simultaneously
- Sense of presence through CCTV and integrated building automation



---

# ABB DCS Collaboration Arena

Dedicated engineering staff



## Expertise in

- System 800xA
- Third Party DCS
- PLC

## Development of

- System Evolution approach
- Evolution tools
- Display conversion
- Controller code conversion
- Controller code analysis and documentation
- Automated controller code testing
- I/O cabling replacement solutions

# ABB DCS Collaboration Arena

Live ABB and Third Party hardware consolidation (1)



## System 800xA

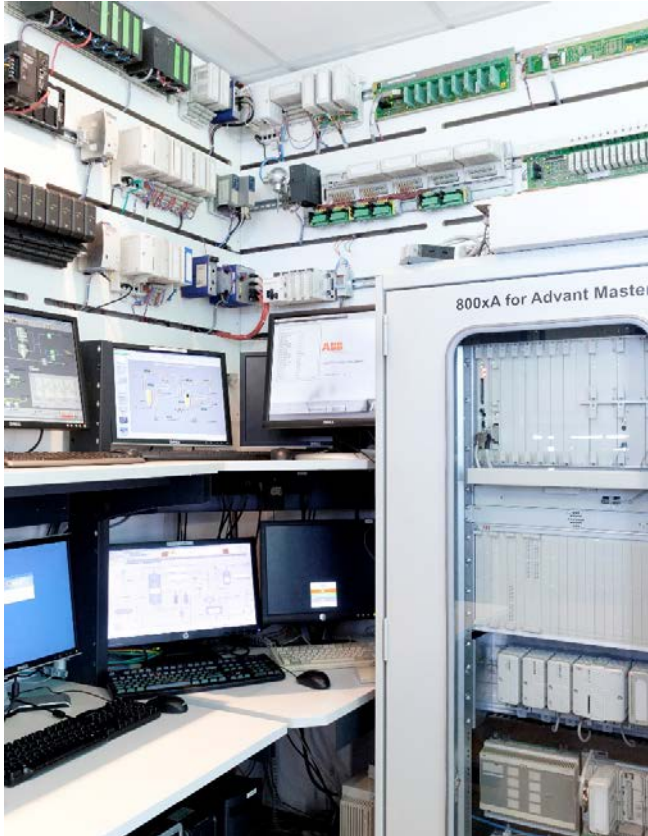
- Extended Operator Workplace
- System 800xA Engineering, Control Builder
- System 800xA Collaboration Table
- AC 800M
- S800 I/O

## Third Party Control System (DCS)

- Siemens S7 300 and 400
- Emerson Delta V, Provox
- Foxboro I/A
- Yokogawa Centum 3000
- Honeywell TDC3000, Experion
- GE Fanuc
- Schneider

# ABB DCS Collaboration Arena

Live ABB and Third Party hardware consolidation (2)



## Other/earlier generation ABB Control Systems

- Freelance
- Advant Master (AC450), Advant MOD 300 (AC460)
- Infi 90
- Modumat
- S100 I/O
- S400 I/O
- AC500 PLC
- Busch-Jaeger

---

# ABB DCS Collaboration Arena

Visit us! Contact us to book your visit!



## ABB DCS Collaboration Arena

ABB France

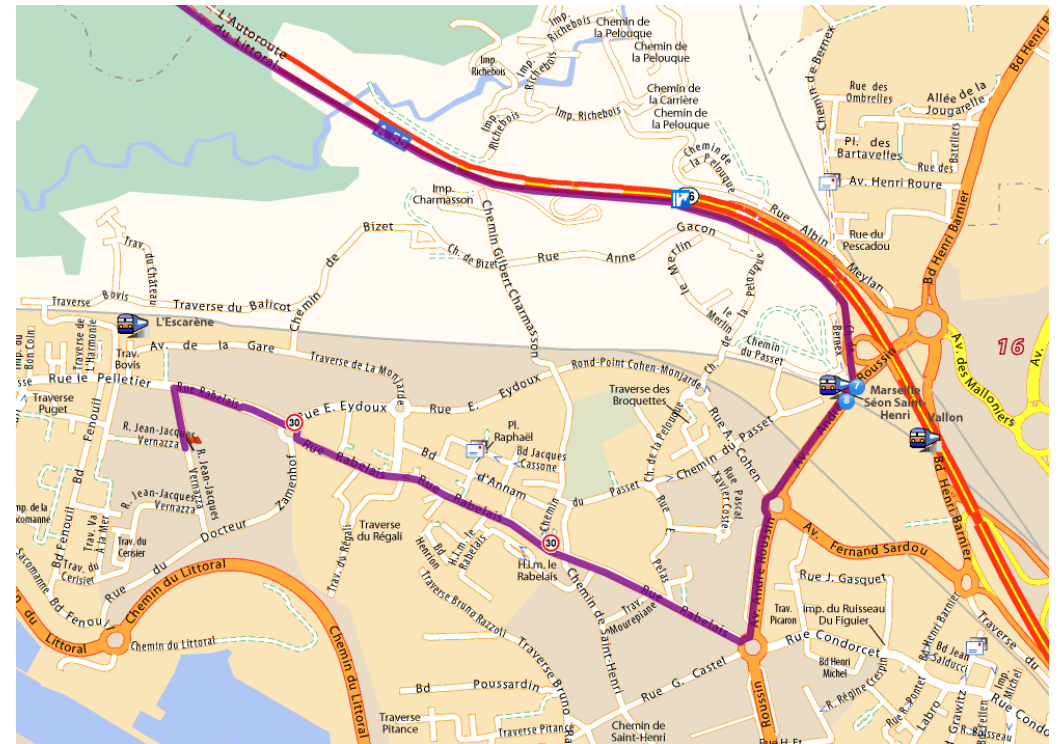
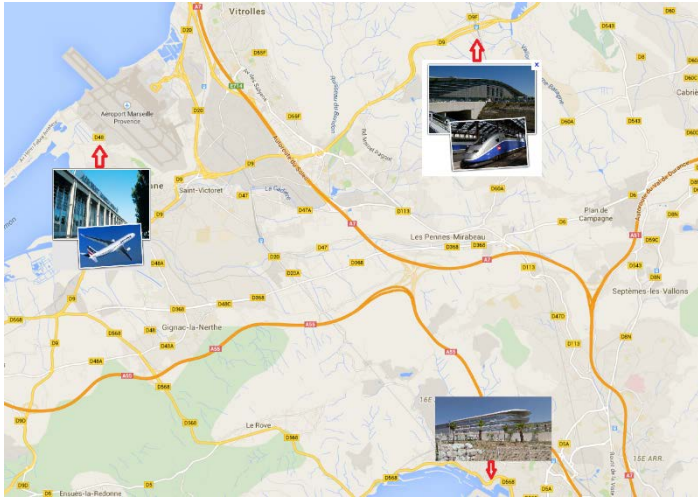
[ZAC Saumaty-Séon](#)  
[14, rue Jean-Jacques Vernazza](#)  
[13321 Marseille cedex 16](#)  
[France](#)

## ABB Third Party System Evolution

[tpse@se.abb.com](mailto:tpse@se.abb.com)

# ABB DCS Collaboration Arena

How to find us



---

# ABB DCS Collaboration Arena

## Hotel recommendations

### In Cassis

(approx. 45mins to ABB office)



#### [Le Liatud](#)

Phone +33 4 42 01 75 37

#### [Les Roches Blanches](#)

Phone +33 4 42 01 09 30

### In Marseille



#### [Escale Oceania hotel](#)

Phone +33 4 91 90 61

#### [Newhotel vieux port](#)

Phone +33 4 91 90 61

# ABB DCS Collaboration Arena

## Restaurant recommendations



### Le caribou

Average price per person 40€  
38 place Thiers 13001 Marseille

### Une table du sud

Average price per person 40€  
2 quai du port 13002 Marseille

### Cesar place

Average price per person 50€  
21 place aux huiles 13001 Marseille

### L'hippocampe

Average price per person 40€  
14 quai du port 13001 Marseille

### Le Grand Large à Cassis

Average price per person 40€  
Esplanade Charles de Gaulle  
13260 Cassis

### Le Fuxia

Average price per person 21€  
27 rue saint-saëns 13001 Marseille



**ABB**