

# GES Romania

April 2018

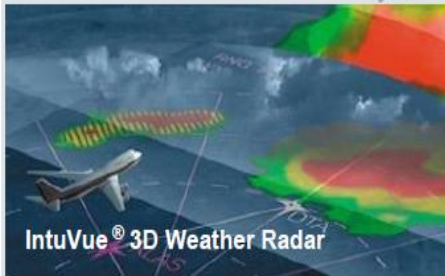
**Honeywell**

# Honeywell Overview: \$39.4B Global Industrial Company

Honeywell

## Aerospace

\$14.8B  
Sales



IntuVue® 3D Weather Radar

### Unmatched Scope of Offerings

- Mechanical, Cockpit, and Software Offerings From Nose to Tail
- Apps, Services, Maintenance, Subscriptions
- End-to-End Connectivity Solutions From Hardware to Airtime
- Turbochargers for Fuel Efficiency

## Home and Building Technologies

\$10.7B  
Sales



evohome

### Connecting Homes and Buildings

- Security and Fire
- Connecting Homes With Lyric™
- Open Software Connecting "Internet Of Things" in Buildings

## Safety and Productivity Solutions

\$4.6B  
Sales



Vocollect™

### Connecting Workers

- Wireless, Voice, Mobility, Data Analytic Solutions for Workers
- Warehouse Automation
- Keeping Workers Safe

## Performance Materials and Technologies

\$9.3B  
Sales



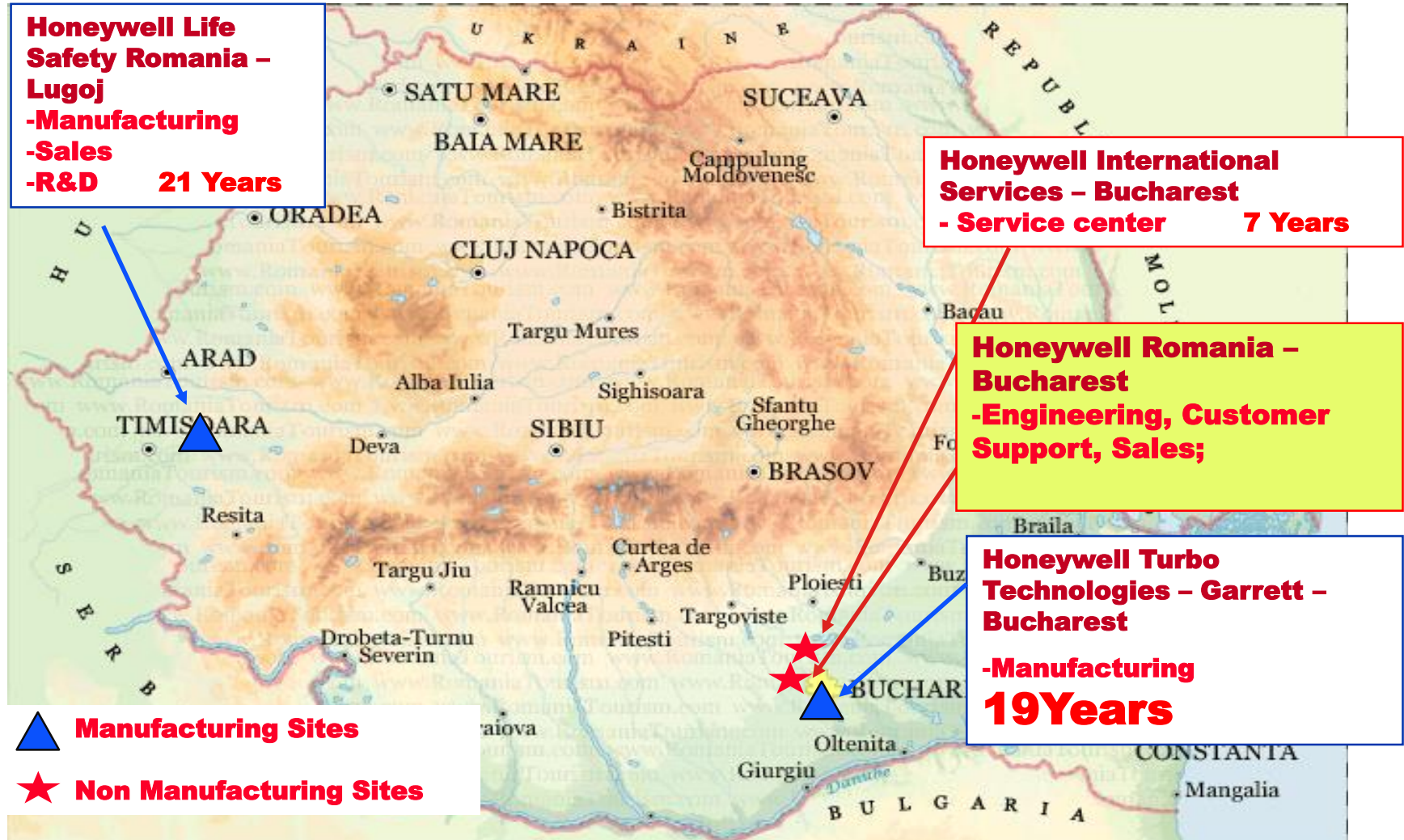
Experion® Orion Console

### Winning Technology

- Refining and Petrochemical Catalysts
- Gas Processing Modular Offerings
- Solstice® LGWP Materials
- SmartLine Transmitters
- Asset Optimization Software

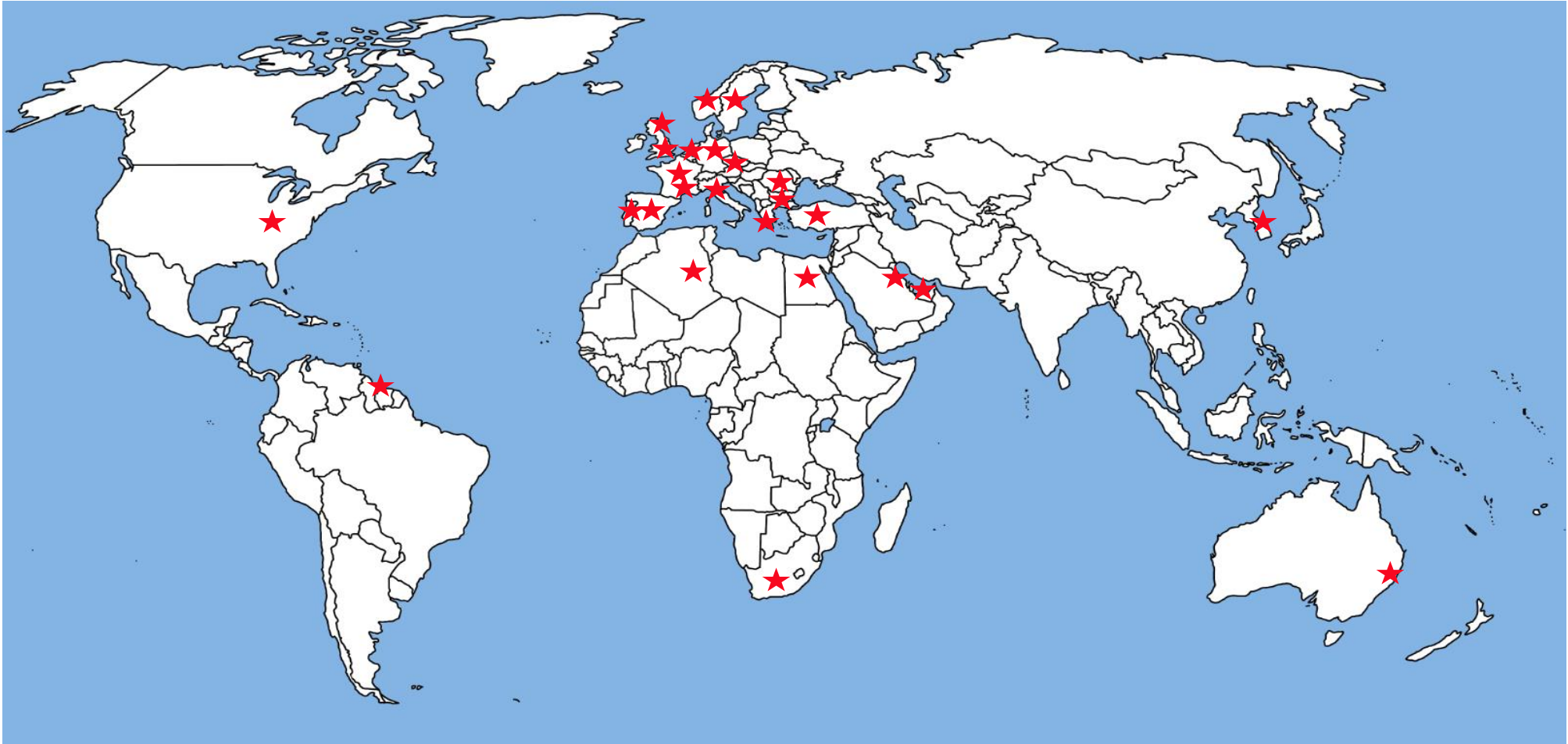
Aligned to Key Global Macro Trends

# Honeywell Presence in Romania



Honeywell is very present in Romanian economy, being one of the big Romanian exporters

# GES Romania presence in the World



Everywhere in the world the activity of our engineers was highly appreciated by the clients



**Refineries**



**Chemicals**

- Experion core functionality
- Experion Applications
- Interfaces
- Batch Solutions
- Hybrid Controller
- C300 Controller
- Icon Consoles
- TDC 3000
- TDC 2000
- TPS
- Plantscape
- QCS/CWS
- Turbine Control Solution
- Digital Video Manager
- Uniformance PHD
- OMPPro
- Cyber security
- HMI
- Handhelds
- Metersuite
- Fail Safe Controller
- Safety Manager
- Field Device Manager
- Procedural

DCS



**Power Plants**



**Petro-Chemistry**

Being the core of all processes control we are approaching all industries

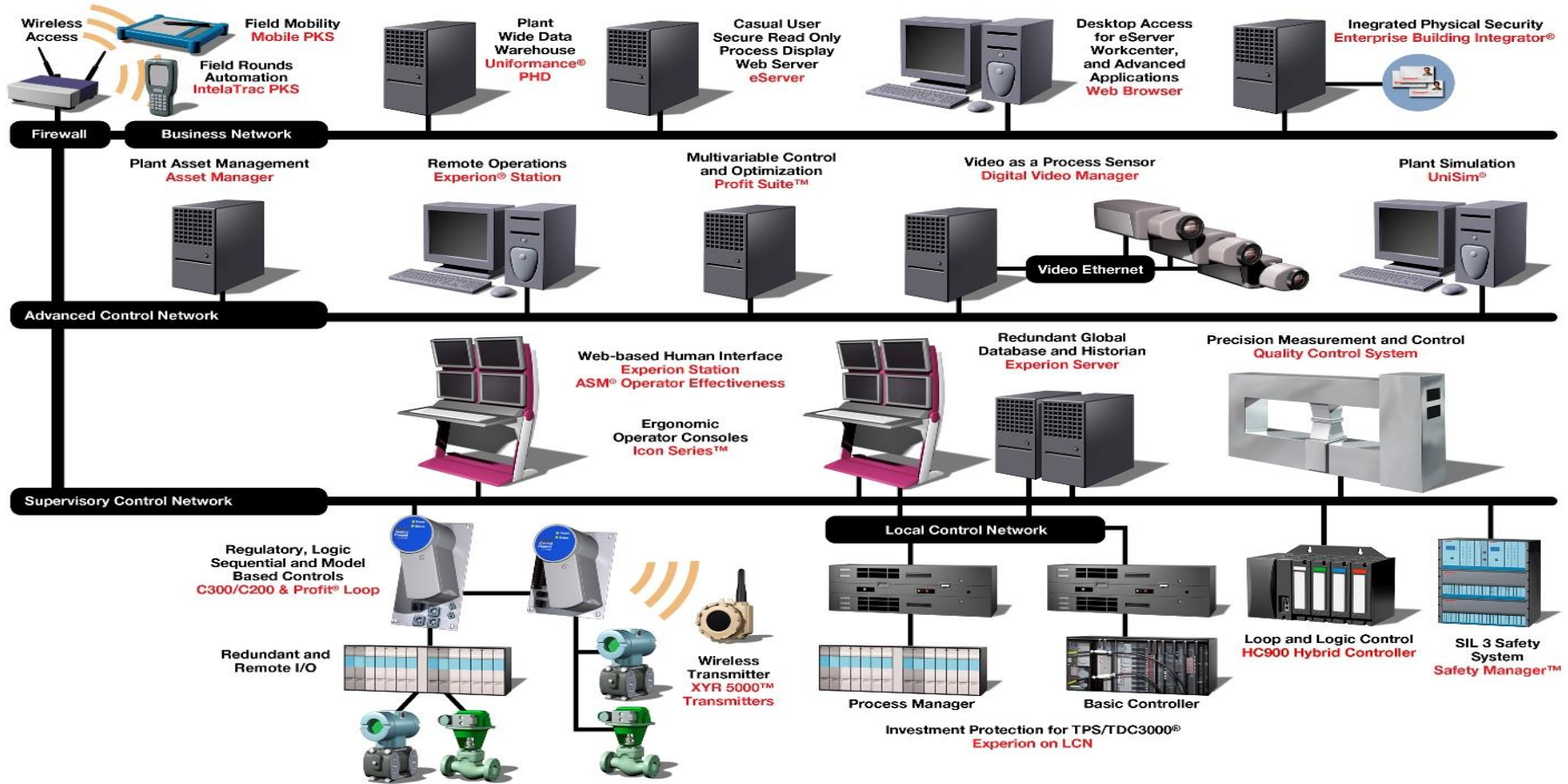
# TOP 10 PROJECTS IN 2017

Project Name
GWA DCS Replacement
BidBoland II
Troll B
Petrom FCC & RC2 Migrations
STAR
HBNS
BI Vienna
INEOS Lillo Experion TPS Migration
Onshore control room Valemon (T&M)
OMV Petrom - Migration Cogen and DAV2
Egina Field Development Project
Others

## Experion Process Knowledge System



Advanced Solutions activity



GES activity

For more information about Honeywell's products and services, visit our website [www.honeywell.com/ps](http://www.honeywell.com/ps) or contact your Honeywell account manager at 877.466.3993 or 602.313.6665.  
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Ergonomic Operator Console

These process controllers (C200 and C300) are based on Honeywell's proven CEE – Control Execution Environment.



Safety Manager plus RUSIO



The Master Logic is a world class modern day PLC, fully conforming to the IEC 61131-3 standard for PLC programming.

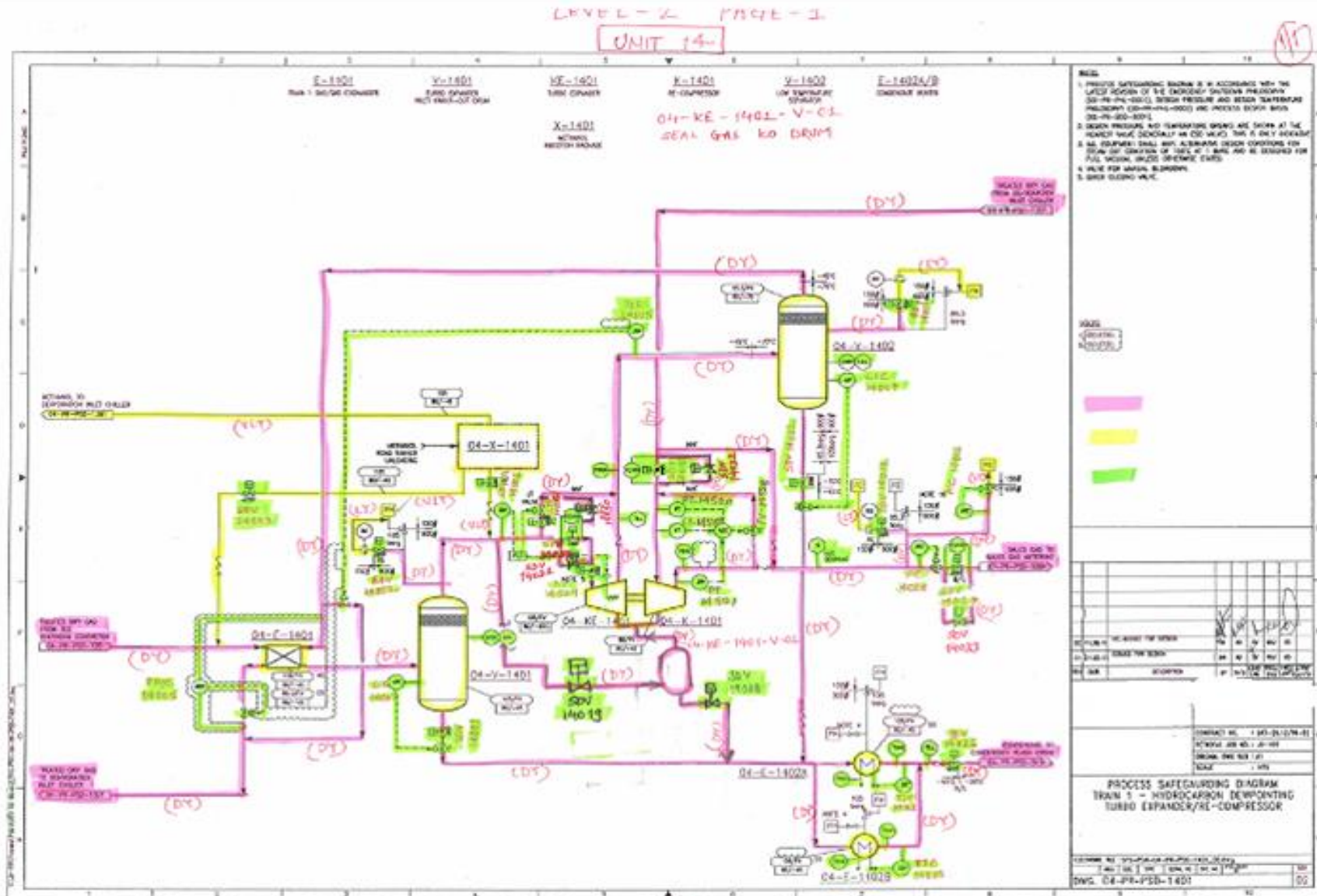


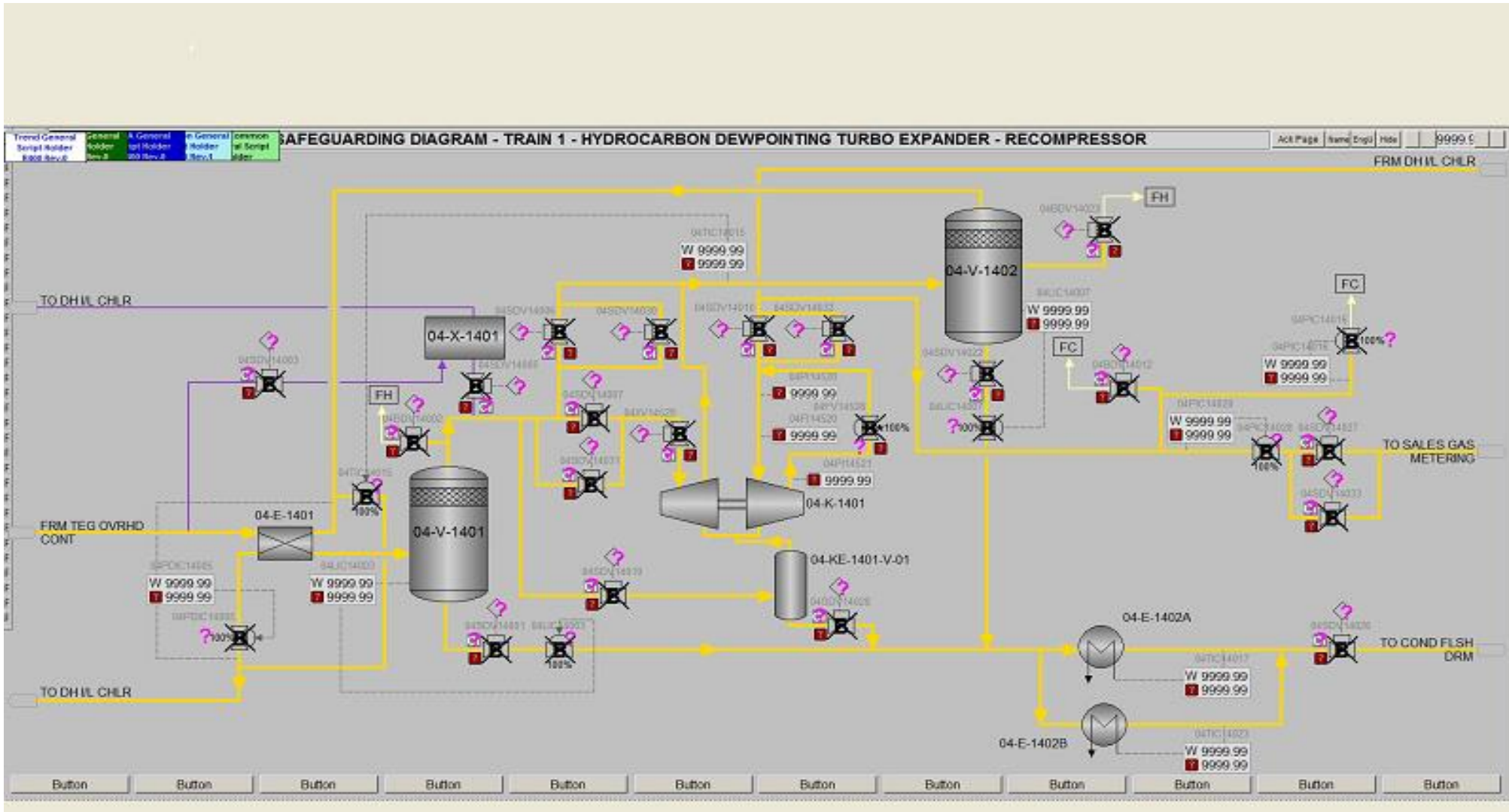
- Large ultra-high definition screens allow flexible layouts of overview and detail displays as well as related applications and video.
- Advanced Visualization Elements
- Ergonomic design improves operator comfort and reduces fatigue

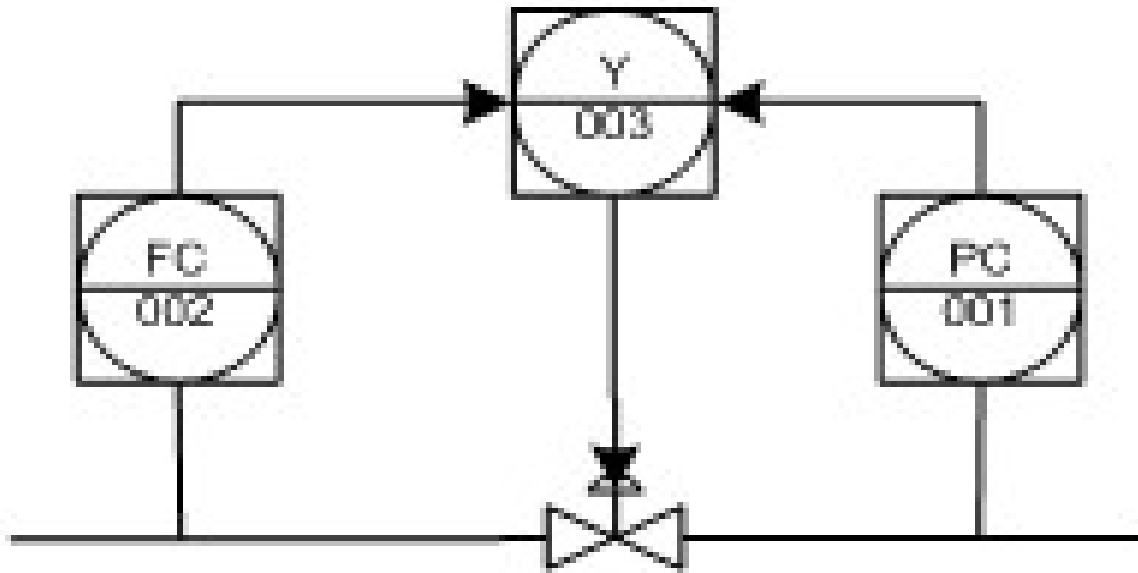


# Marked up P&ID (Piping & Instrumentation Diagrams)

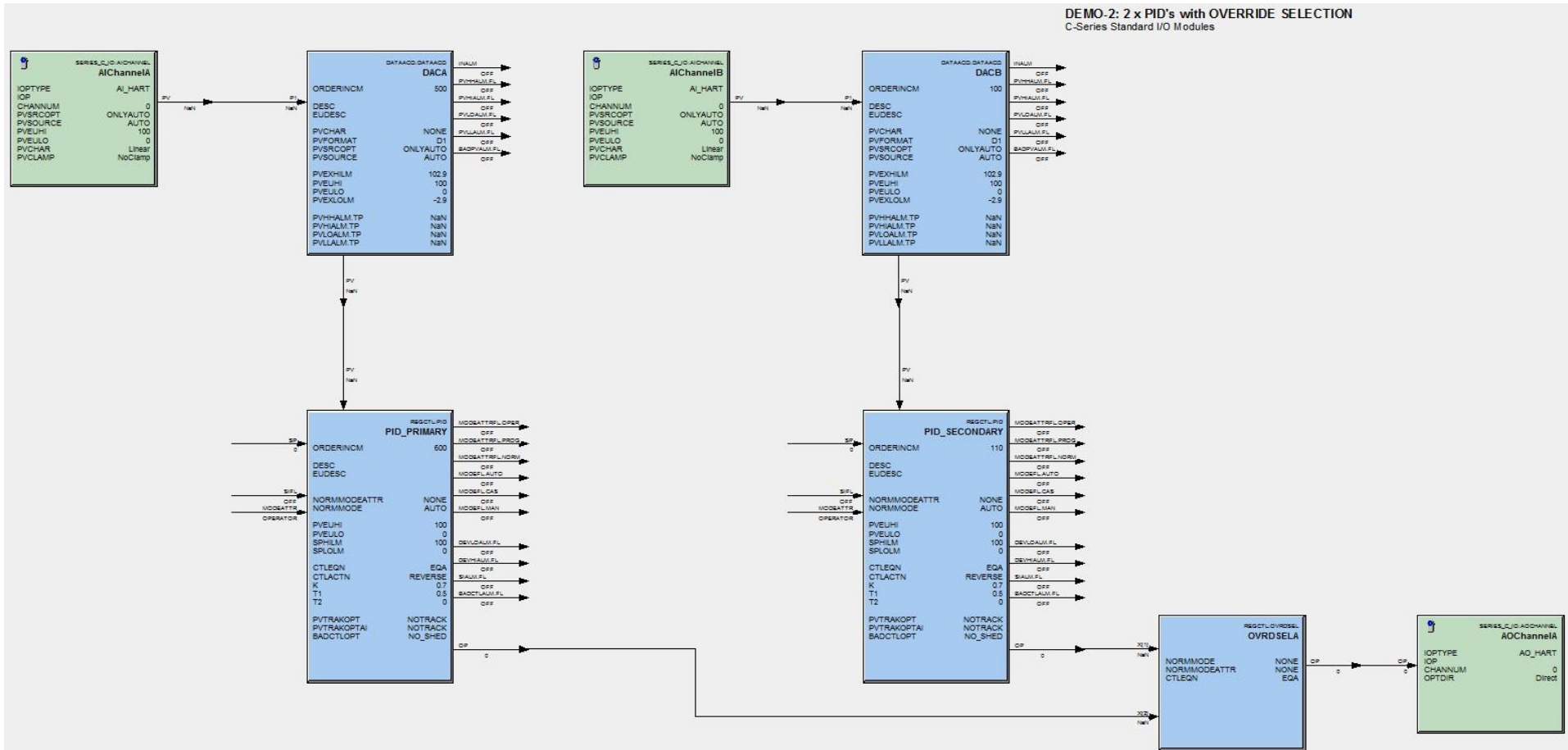
Honeywell



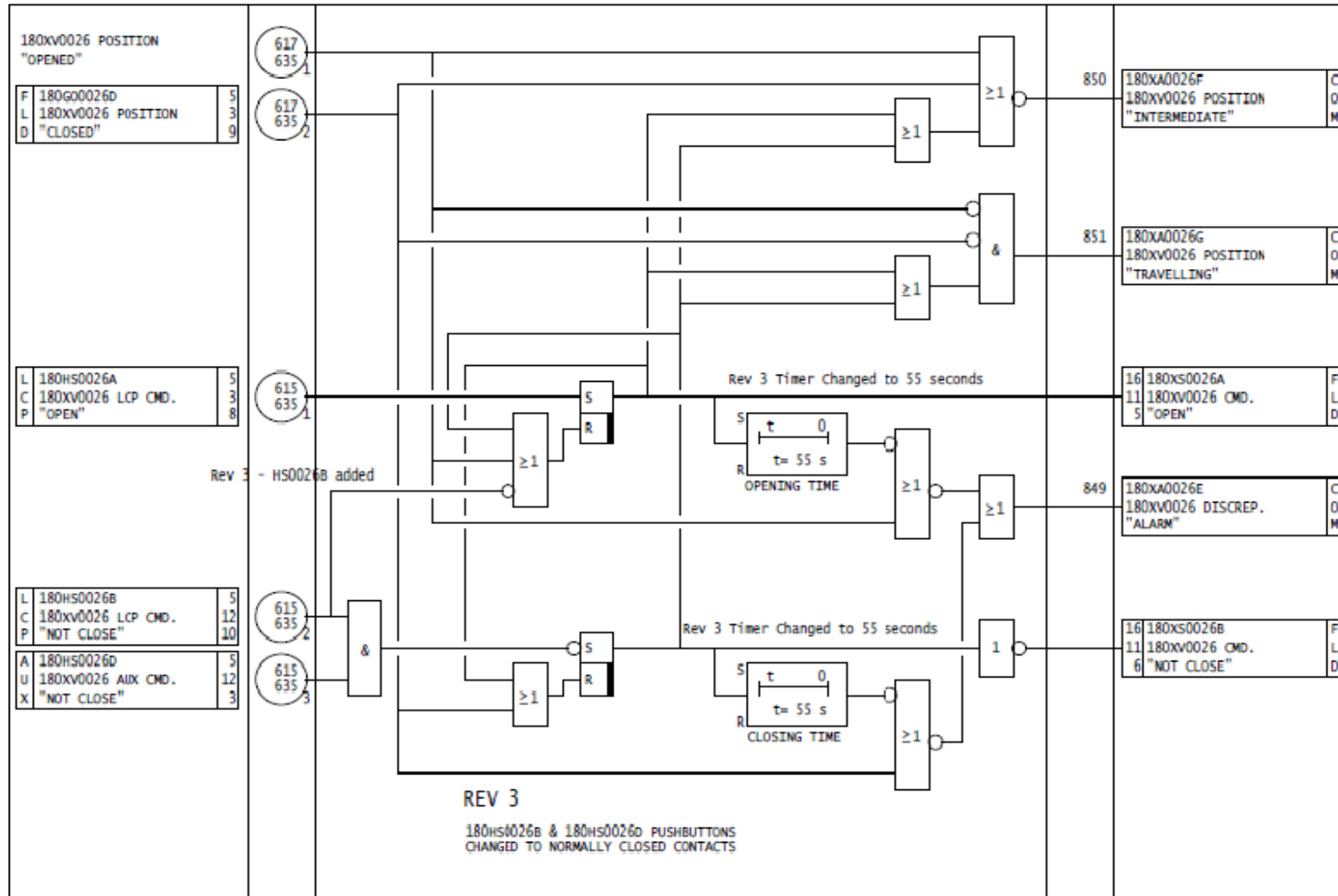




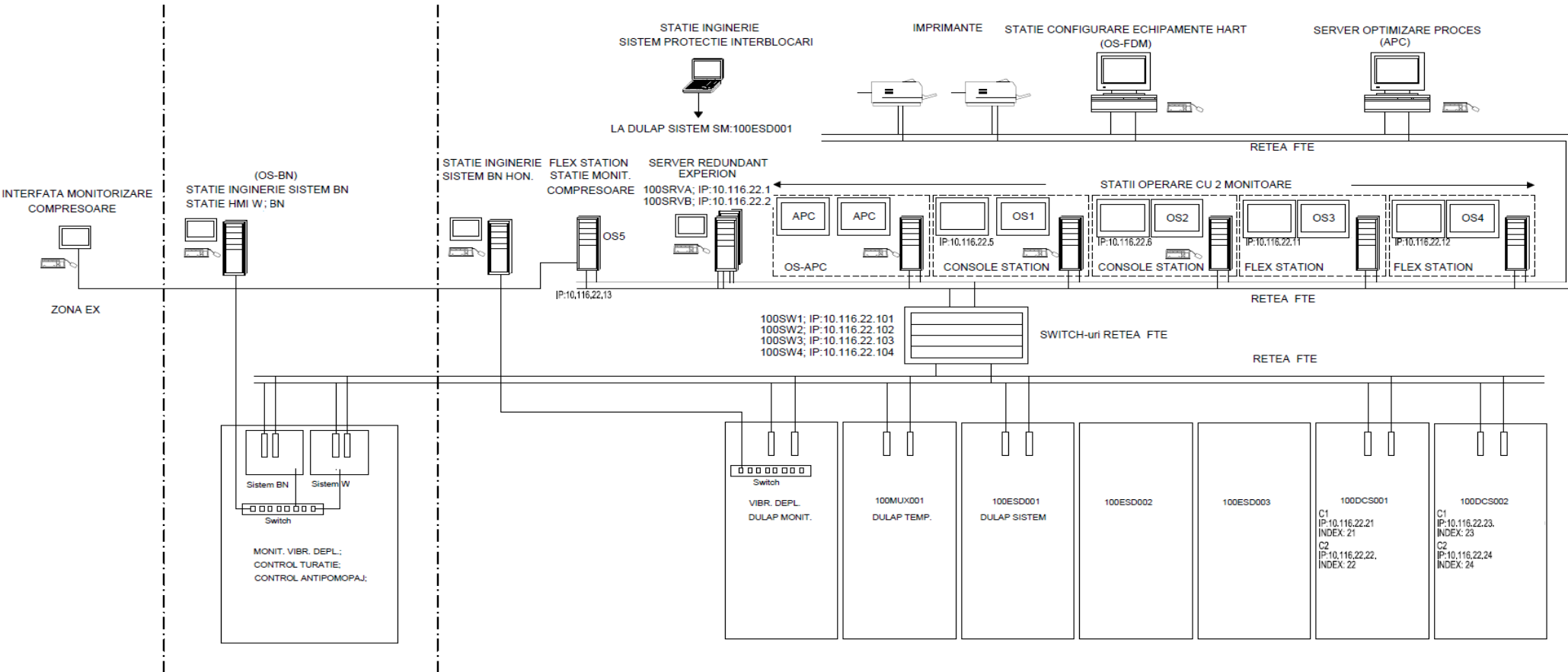
# Control PID's with Override Selection







		Customer: Foster Wheeler Malaysia Pte Ltd	Functional Logic Diagram		SM Controller	
		Project: DM Petrochemical Refinery	180-PS2 XV0026 ESD8		DELAYED COKING 3 UNIT	
		Plant: COCKAT, STEEL, MATH	Name: honeywell malaysia		Date: 8/26/2011	
		Req. No: 100019b	Street: Delta Perdana no. 10a		Author:	
		Reference: Material requisition	City: Iskandar		Drawing Number:	
			Country: malaysia		SM Controller: 850 851	
1	1/11/2011	APRIS NET				
2	11/27/2011	APRIS NET				
3	8/26/2011	Final Issue				





## **Implementarea unui sistem complet de conducere a unei instalații reale dintr-o rafinărie utilizând arhitectura Honeywell Experion PKS și Safety Manager.**

Fiecare student va aborda toate disciplinele implicate în dezvoltarea unui proiect de implementare software pentru o instalație dintr-o rafinărie, după următorul program:

- Săptămâna 1 : Introducere în Honeywell și noțiuni generale despre soluțiile de automatizare ale proceselor industriale
- Săptămâna 2-4 : Honeywell Safety Manager – Emergency Shutdown System - dezvoltarea aplicației și comunicația SCADA
- Săptămâna 5-7 : Honeywell C300 – implementarea strategiilor de control
- Săptămâna 8-10 : HMI (Human Machine Interface) – elaborarea interfeței operator a procesului industrial studiat
- Săptămâna 11 : Teste de integrare și funcționalitate

**Thank you for your attention !**

