

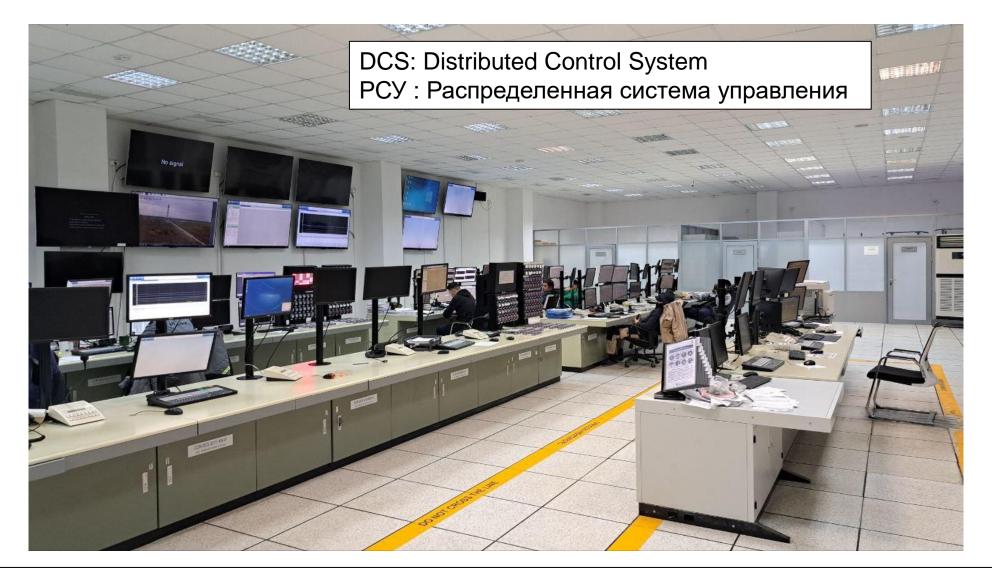
Co-innovating tomorrow™



Since 1915



Control Room in ANPZ



YOKOGAWA in Atyrau Oil Refinery

No.	Comp	olex/Unit Name	DCS	ESD
1	Crude Oil Primary Distillation and Advanced Desulphuration	CDU	Centum VP R6	Honewell
		VDU	Centum VP R6	Honewell
		Combined gasoline and diesel fuel hydrotreating unit	Centum VP R6	Honewell
2	Crude Oil Advanced Processing	C atalytic cracking R2R	Centum VP R6	Pro-Safe RS R4
		Oligomerisation	Centum VP R6	Pro-Safe RS R4
		Naphta HT	Centum VP R6	Pro-Safe RS R4
		Prime D	Centum VP R6	Pro-Safe RS R4
		Prime G	Centum VP R6	Pro-Safe RS R4
		Benfree	Centum VP R6	Pro-Safe RS R4
		SGP	Centum VP R6	Pro-Safe RS R4
		Isomerisation Parisom TM	Centum VP R6	Pro-Safe RS R4
		Backwater Unit	Centum VP R6	Pro-Safe RS R4
		Nitrogen Processing	Centum VP R6	Pro-Safe RS R4
		Acid Gases Flare System	Centum VP R6	Pro-Safe RS R4
3	Air Liquid	Hydrogen Production Unit	Centum VP R6	Pro-Safe RS R4
4	Aromatics Processing Unit	CCR	Honewell	Honewell
		PX	Honewell	Honewell
5	Coke and Sulphur Production	Delayed Coking Unit	Centum VP R6	Pro-Safe RS R4
		Sulphur Production Combined Unit	Centum VP R6	Pro-Safe RS R4
6	Petrochemicals Production and Transportation	Commodity And Raw Feed Tank Farms	Emerson DeltaV	Emerson DeltaV
		Diesel Fuel Farms	Centum VP R6	Pro-Safe RS R4
		Blending Automation System Unit	Centum VP R6	Pro-Safe RS R4

4

Industries where we work for

























Industrial Automation and Control Business

Operation/Production/Asset Management

Consulting

- -Profit Improvement Program
- -Energy
- -Reliability, Availability
- and Maintenance -People

PIP, Energy, RAM, People

Supply Chain Optimization



PSS: Premium Solutions & Service



Field Assistant

Operator Training Simulator



IASS: IA System & Service

Operations Management System



Production control and safety instrumented systems

CENTUM VP

Integrated production control system



ProSafe-RS

Safety instrumented system



STARDOM

Network-based control system



FAST/TOOLS

SCADA software



FA-M3V

Range-free multi-controller

e-RT3 plus

eMbedde controlle



Field instruments, analytical instruments, and recorders

IAPS: IA Product & Service

DPharp EJX

Differential pressure / pressure transmitter



ROTAMASS TI Series

Coriolis mass flowmeters

YTA510

Wireless temperature transmitter



Fiber optic sensor

TDLS8000

Tunable diode laser spectrometer



SMARTDAC+ GX10/GX20 **GP10/GP20**

GC8000



Paperless recorders

Process gas chromatograph.







40 years in the market A Yokogawa company since 2016



Proprietary Information 6

References in the Major Oil customers





November 1, 2023 Why KBC?

- Why KBC Can Contribute?
 - ◆ KBC is Independent Consultancy (Unbiased 'Trustable Advisor')
 - KBC has People who has worked for Global Companies
 - Global Oil/Chemical Majors, EPC Contractors, Licensors
 - ♦ KBC has Methodologies based on Global Best Practices
 - KBC has Tools Established by Collaboration of Consultants and Software Development Staffs
 - ♦ KBC has various Experiences of Solving Client's Problems Globally

Kazakhstan & Japan

Rich natural resources



Technology



Human resources







Co-innovating tomorrow[™]

