

Technology for safe and stable operation and production efficiency improvement in oil and gas production plants

YOKOGAWA ELECTRIC KAZAKHSTAN
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November 1, 2023

Since 1915

Control Room in ANPZ



YOKOGAWA in Atyrau Oil Refinery

No.	Complex/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	Catalytic 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

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

Supply Chain Optimization



Field Assistant



Operator Training Simulator



Operations Management System



PSS: Premium Solutions & Service

Production control and safety instrumented systems

IASS: IA System & Service

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

eMbedded
controller



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



5



DTSX

Fiber optic sensor

TDLS8000

Tunable diode laser
spectrometer



SMARTDAC+ GX10/GX20

GP10/GP20

Paperless recorders

GC8000

Process gas chromatograph





A Yokogawa Company

40 years in the market
A Yokogawa company since 2016

All about
EXCELLENCE



References in the Major Oil customers



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™



Co-innovating tomorrow™

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