

PlantEdge

Production Data Management System

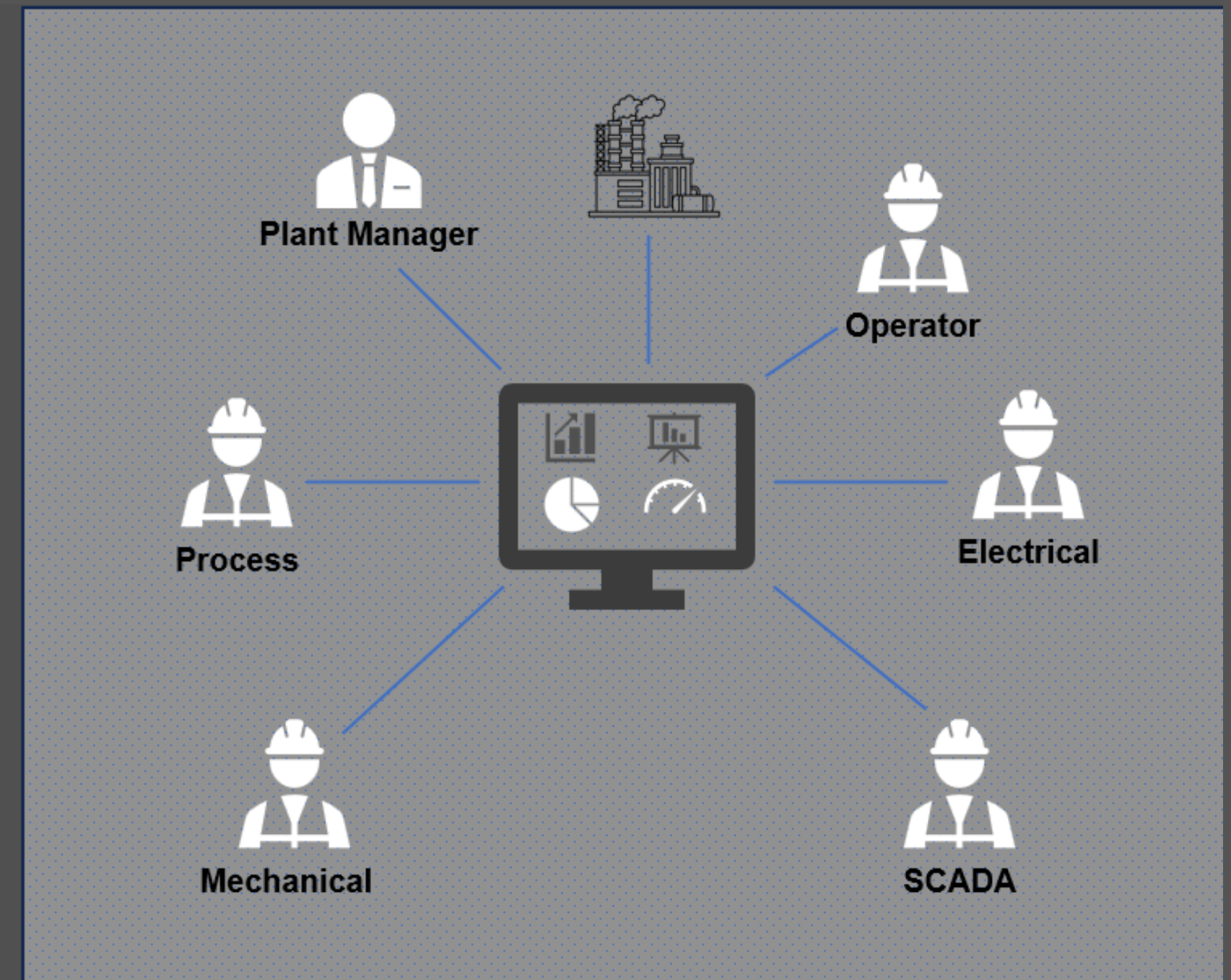
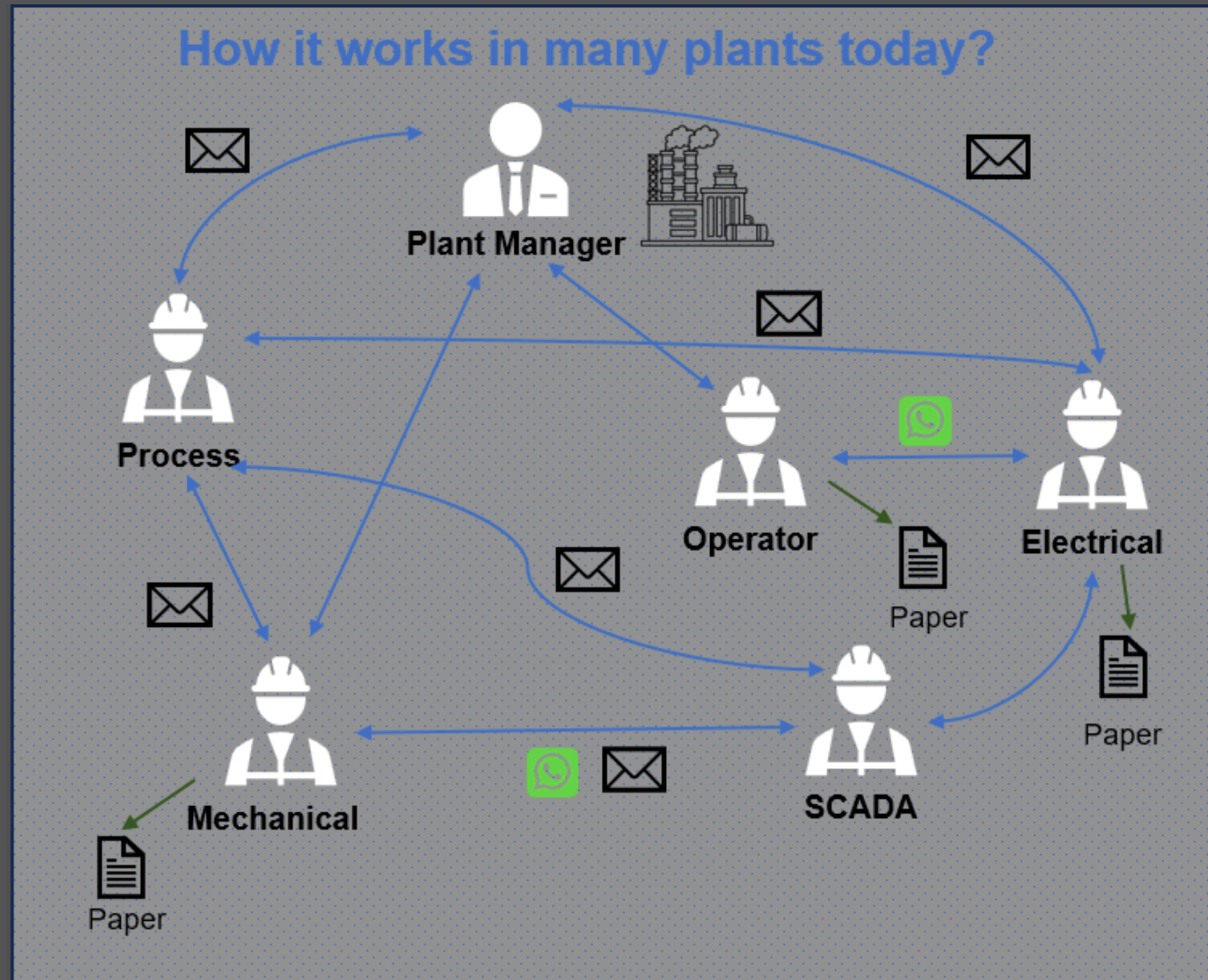


**Plant
Edge**

www.aimi-automation.com

www.plantedge.kz

Why PlantEdge?



Single source of Truth

Why PlantEdge?

1. Centralized Data Storage
2. Improved Decision-Making (data is available all required sides)
3. Operational Efficiency
4. Enhanced Traceability and Compliance
5. Predictive Maintenance
6. Cost Reduction
7. Integration with Advanced Technologies
8. Scalability and Flexibility
9. Strategic Advantage



Our team



ZHANIBEK YESKENDIR

Chief Technology Officer.
14 years of experience in industrial automation.

Projects in Qatar, Russian Federation, Eastern Europe, Kazakhstan

Awards: Chevron, Honeywell, KazEnergy

Certificates:TUV FSEng, EPKSL4

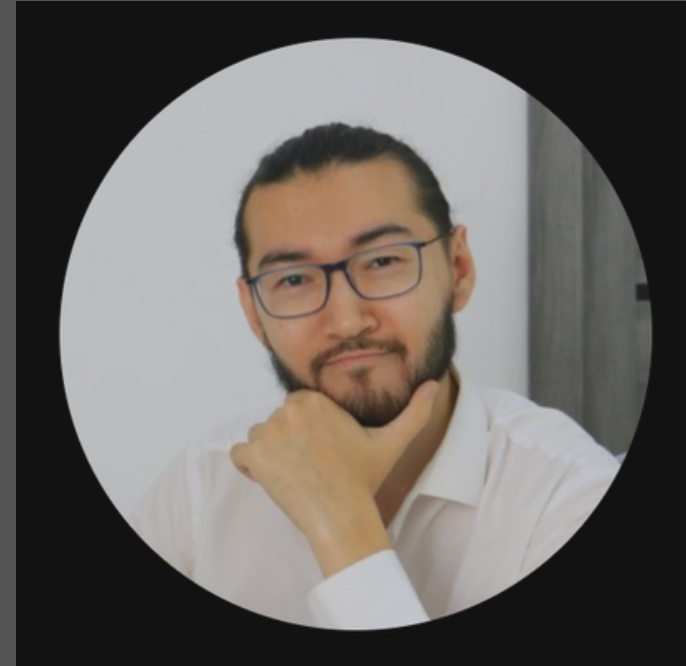


ZAKIR SUPEYEV

Cybersecurity Expert.
15 years of industrial IT experience. Currently works at ADNOC.

Awards: Honeywell

Certificates: Cisco, VMWare, CISSP, GICSP, MCSA (ML)



SERIK BERDALINOV

Product Development Lead.
15 years of experience in IT and product development.

Awards: Top global outsourcer 2024

Full-stack developer

ZHASTILEK KAPASSOV

Chief Executive Officer.
Mining and telecom industry.
16 years of experience in different levels of management.

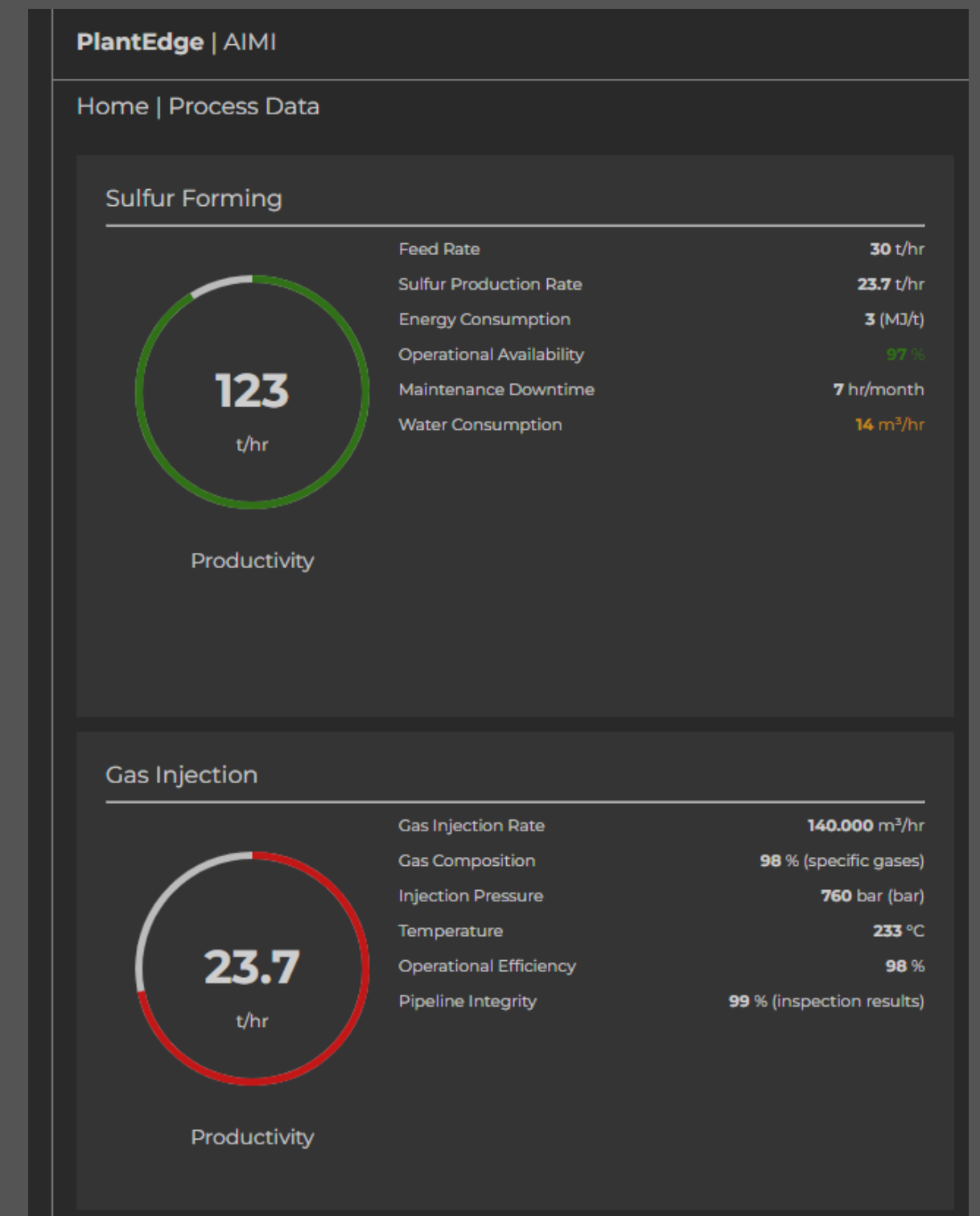
Turn your data into insights with PlantEdge

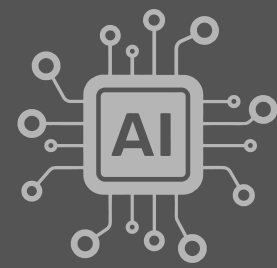
PERFORM AT A PEAK

PlantEdge effectively addresses asset health, integrity, cybersecurity, efficiency, and energy performance in a unified manner, enhancing operational effectiveness and risk management

COMPLIANCE TRACKING

Monitor compliance with industry standards and regulations, offering documentation and reporting features for audits

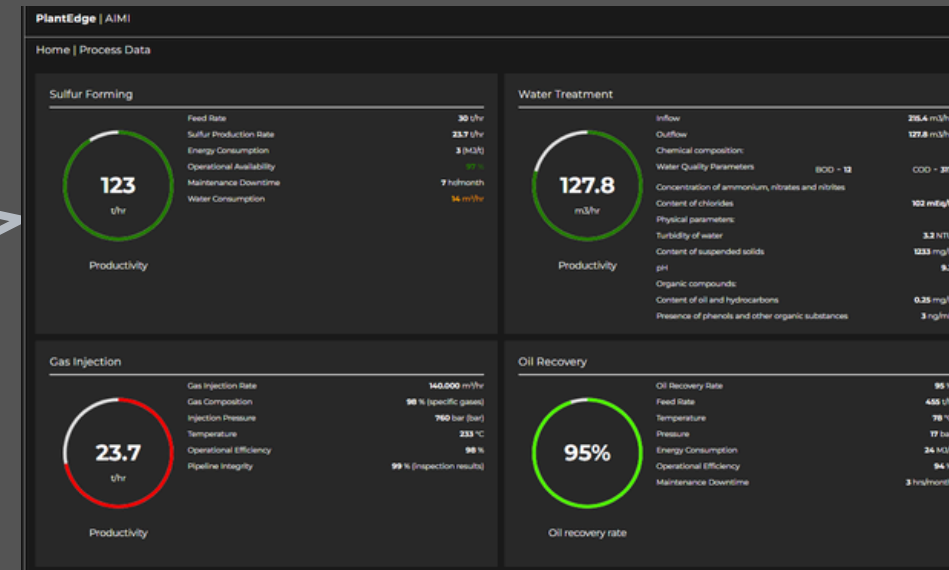




ML/AI models



Generative AI



Custom dashboards and KPI as per

- O&G: API, ISO, NERC
- Mining: ASTM, OHSAS, SAE
- Energy: EN, IEEE, IEC, UL
- Local: GOST, etc.



Datalake

Mining and Processing Plants (MPP)

Oil and Gas Plants

Wind Power Plants (WPP)

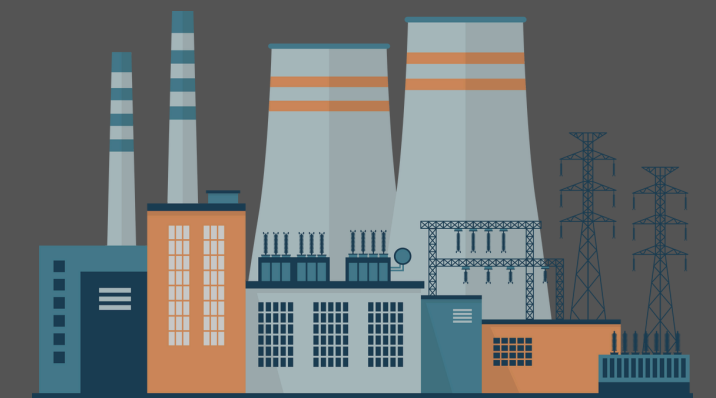
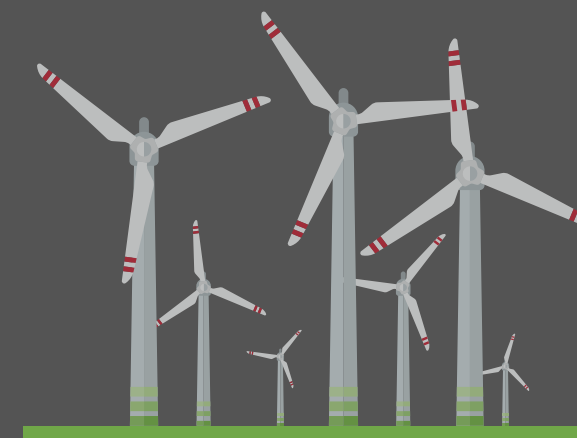
Power Plants

- Mills
- Crushing
- Conveyors
- Pumps

- Wells
- Compressors
- Pumps
- Valves

- Turbines
- Generators
- Gearboxes

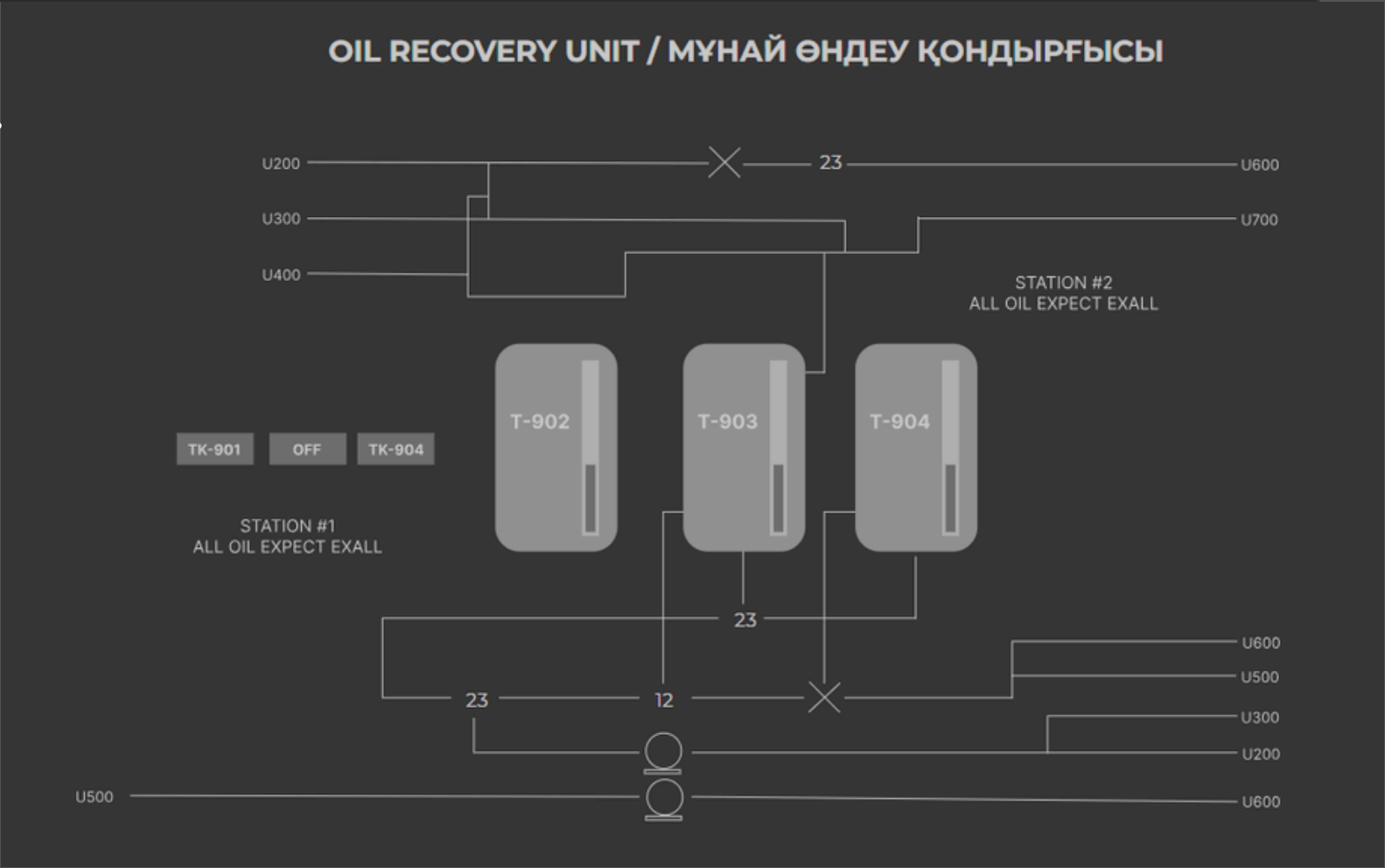
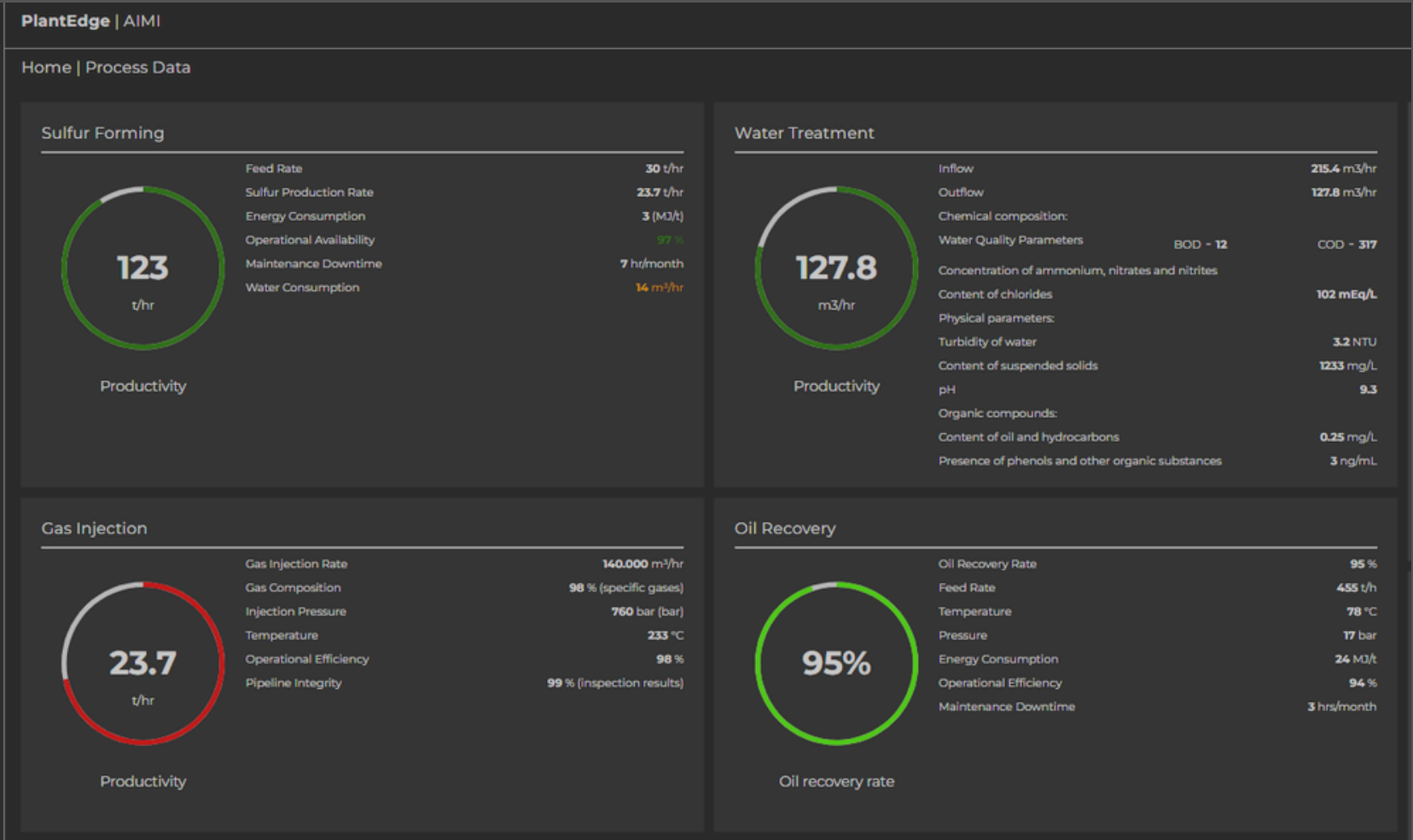
- Turbines
- Generators
- Cooling System



- DCS (Distributed Control System)
 - ESD (Emergency Shutdown System)
 - PLC (Programmable Logic Controller)
 - Metering Systems
 - SCADA (Supervisory Control and Data Acquisition)
 - Vibration Monitoring Systems
 - Condition Monitoring Systems
 - Network Monitoring Systems
 - Fire and Gas Detection Systems
 - Suppression Control Systems
 - CCTV (Closed-Circuit Television)
 - Access Control Systems
 - Intrusion Detection Systems
 - Perimeter Monitoring Systems
 - PMS (Power Management System)
 - EMS (Energy Management System)
 - Microgrid Controllers
 - Work Order Management Systems
 - CMMS (Computerized Maintenance Management System)
 - Asset Management Systems (AMS)
 - LIMS (Laboratory Information Management System)
 - Industrial Wireless Communication Systems
 - Data Historian Systems
 - RTUs (Remote Terminal Units)
 - Tank Level Monitoring Systems
 - Pipeline Integrity Monitoring Systems
 - HVAC Control Systems
 - Automatic Meter Reading (AMR) Systems
 - SIEM (Security Information and Event Management)
 - Energy Storage System Controllers
- Different sets of documentation (P&IDs, PFDs, datasheets, etc.)



Modbus
OPC UA
MQTT
AMQP
Zigbee
IEC
SNMP
HTTPS/REST APIs
UDP
TCP/IP
Logs
Events
WMIs
SQL
JSON



Main

Process Data



CyberSecurity Data

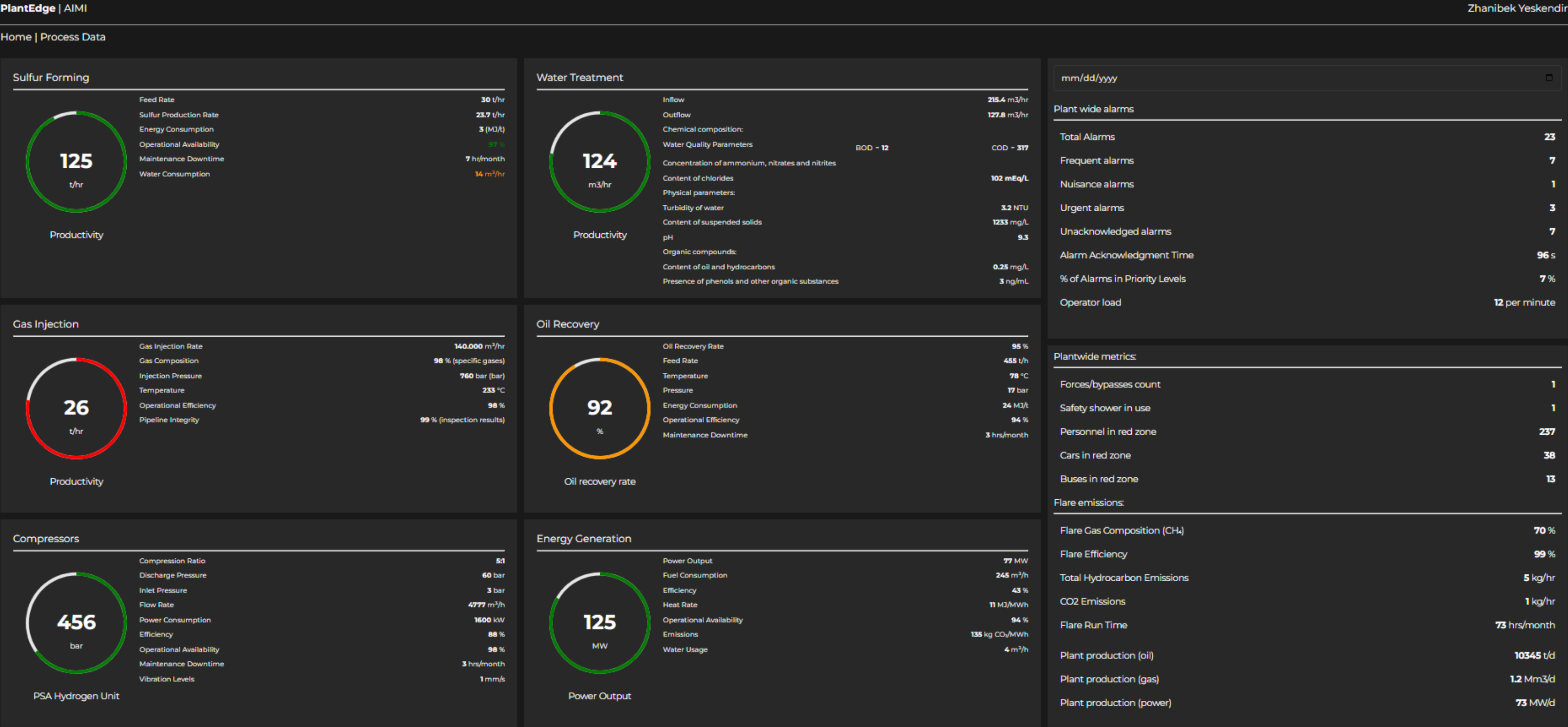
Orders

GenAI Chatbot

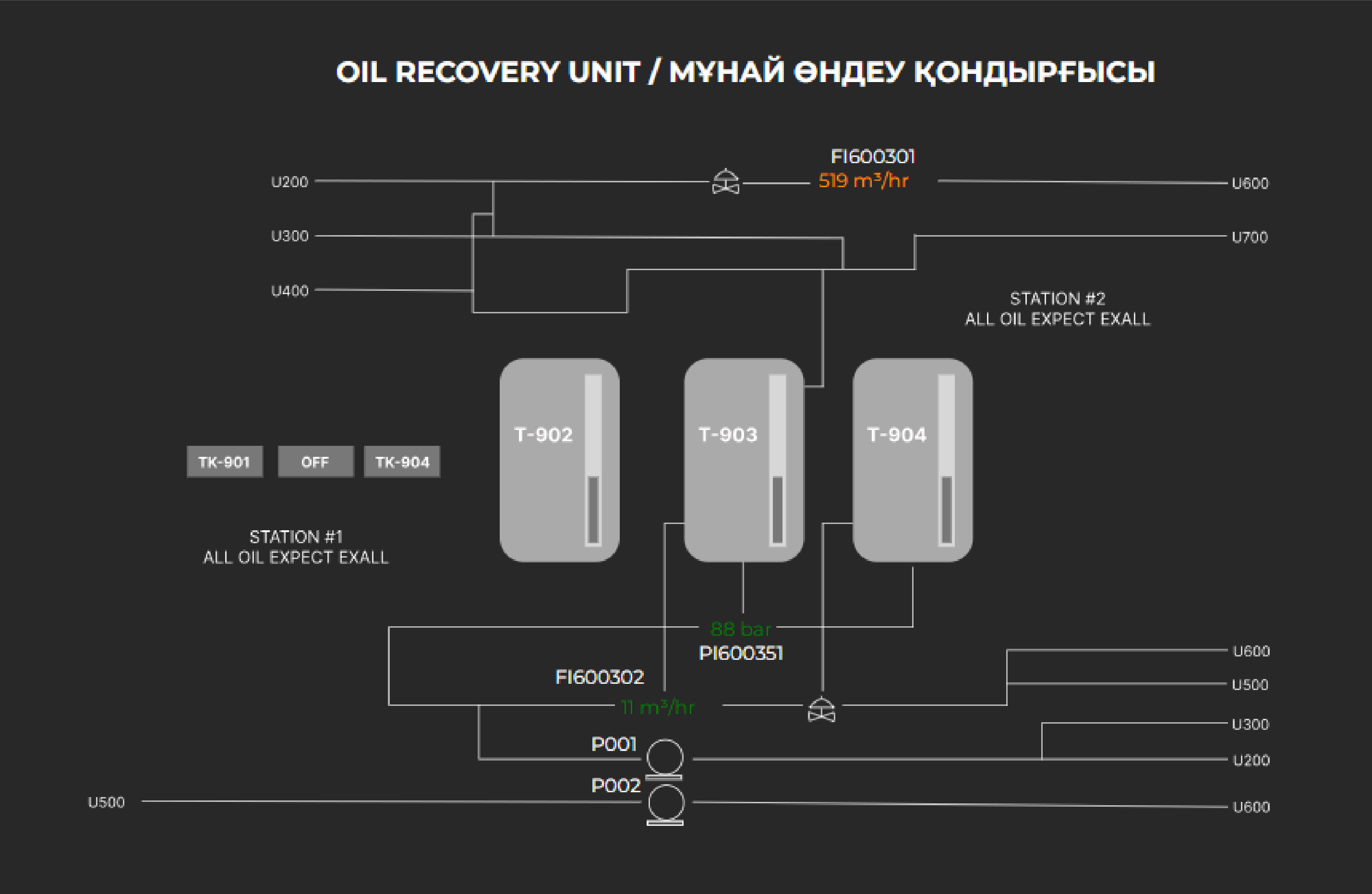
What are critical parameters of compressor CO01?

Configuration Data

Process data KPIs



Process data. detailed screens



Вы: что такое компрессор?

ChatGPT: Компрессор - это устройство или механизм, который создает высокое давление в газе или жидкости, сжимая его и уменьшая его объем. Компрессоры используются в различных отраслях промышленности для сжатия воздуха, газов или жидкостей, а также в бытовых устройствах, таких как холодильники, кондиционеры и насосы.

Введите ваш вопрос...

Отправить

