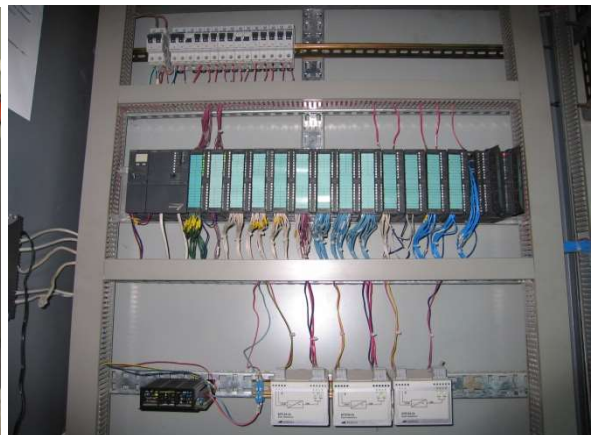
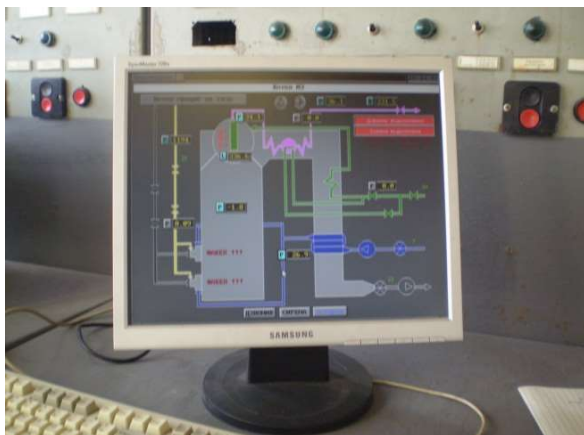
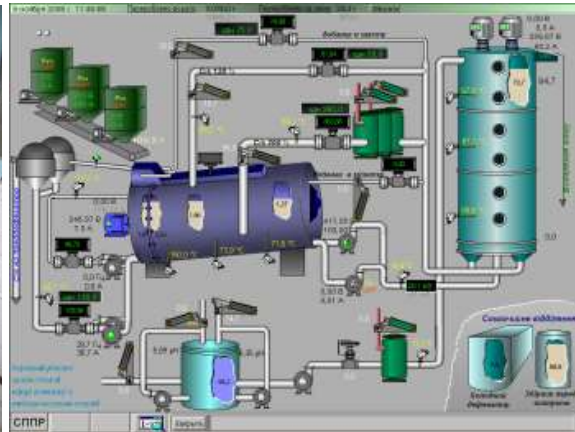
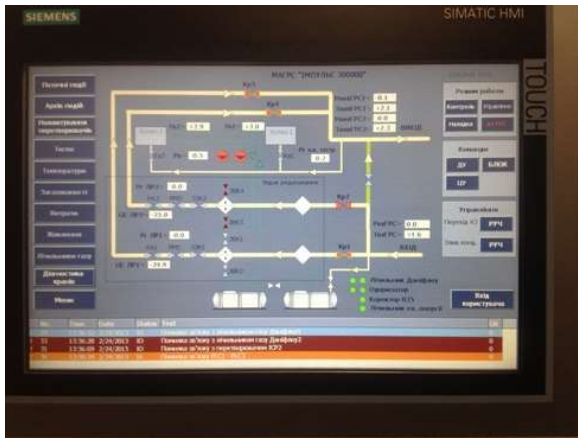


# LLC "Design and Development of Automated Technologies" (DDAT)

<https://ddat.com.ua> | [info@ddat.com.ua](mailto:info@ddat.com.ua)



Since 2010

## Company Overview

LLC "Design and Development of Automated Technologies" (DDAT) is an engineering and innovation company based in Ukraine. Since 2010, DDAT has been delivering tailored solutions in the fields of industrial automation, energy management, control systems, SCADA/IoT integration, and intelligent infrastructure. The company specializes in AI-enhanced digital twin systems and modular automation platforms for residential, industrial, and energy-generating applications.

### Selected Projects Before 2010: Industrial Engineering Expertise (Pre-DDAT)

#### 2000–2002 | Shamraivka Sugar Plant (Ukraine)

Developed an automated control system for steam boilers at a thermal power unit. Functions included control of steam pressure, drum water level, flue draft, and air-fuel ratio.



#### 2002–2005 | Shamraivka Sugar Plant (Ukraine)

Automation of the juice purification and defecation process. Modernization of lime kiln systems, steam boilers, and auxiliary stations with full SCADA integration.



#### 2006–2009 | Astarta-Kyiv Holding

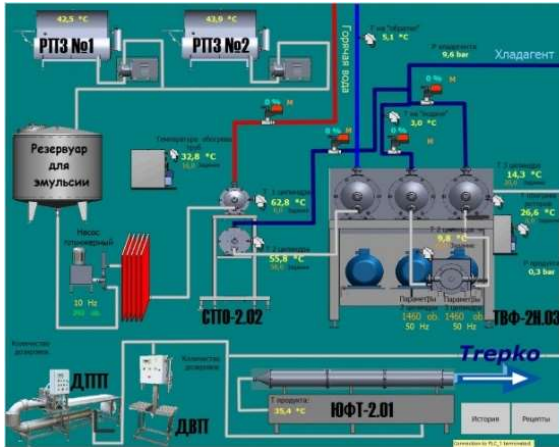
Automation of sugar production lines (diffusion, clarification) across multiple facilities. Repeated commissioning and integration cycles.



## Key Projects After 2010: DDAT Implementation References

### 2011–2014 | Tetra Otich (Russia)

Deployment of a distributed control system (DCS) based on SIMATIC PROFINET for process automation in industrial environments.



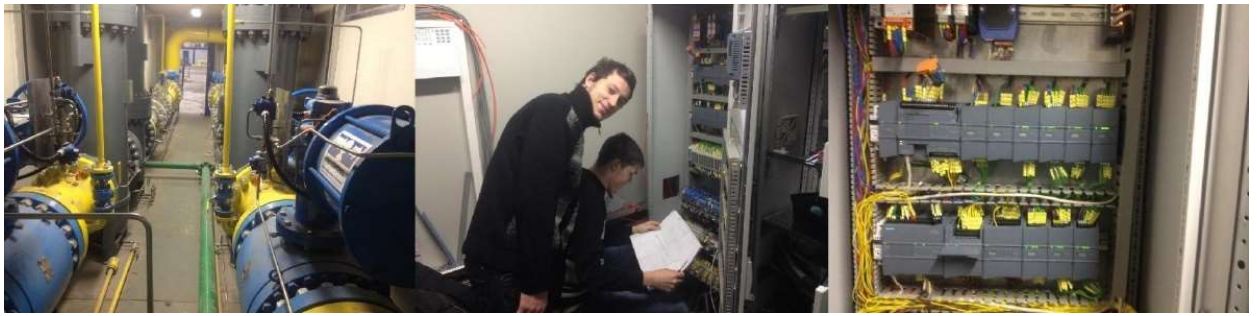
### 2011 | Kyivvodokanal (Ukraine)

Development and commissioning of an automated telemetry system for monitoring and managing pressure in water supply networks.

### 2014–2018 | Fakel Gas Regulation Stations (Ukraine)

Modular automation of AGRS/GPRS units with Siemens and Mitsubishi PLCs (S7-1200, S7-300, FX3N), HMI interfaces, SCADA integration, telemetry routing, and communication layer development.





## 2018 | Kyiv Metro (Ukraine)

Development and delivery of technical training programs for metro control engineers and operators, focusing on industrial automation systems.

## 2016–Present | Schneider Electric Ukraine

Provision of engineering consultancy and project-based support for control system integration and modernization using Schneider Electric platforms.



## Areas of Expertise

Energy-efficient control and process optimization

Digital twin development and AI-based automation logic

SCADA, IoT, and telemetry system integration

Industry 4.0 applications for manufacturing and utilities

Multi-protocol communication (Modbus, MQTT, OPC UA)

## **Clients & Partners**

Astarta-Kyiv

Kyivvodokanal

Schneider Electric

Kyiv Metro

Fakel AGRS Projects

Tetra Otich

## **Contact**

Website: <https://ddat.com.ua>

Email: [info@ddat.com.ua](mailto:info@ddat.com.ua)

LinkedIn: <https://www.linkedin.com/in/llc-ddat-design-and-development-of-automated-technologies-1ba59535b/>