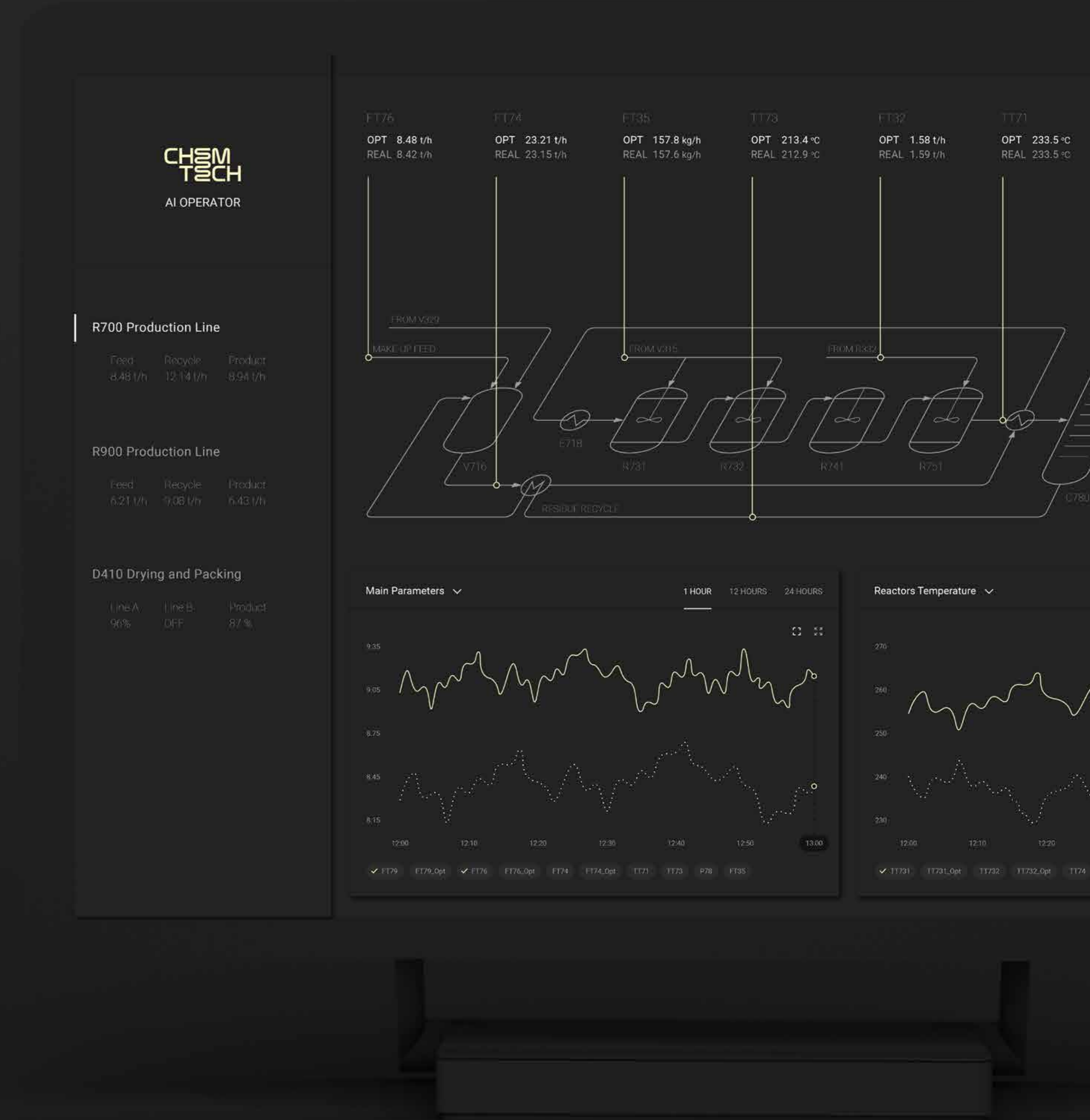




Oil & Gas Case Study

AI-Powered Autonomous Production

AI Operator is an adaptable software that supports fully autonomous production. It provides optimal set points in real-time to improve yield, product quality, and eliminate losses.



Easy to Implement on Any Factory



Zero Investment

No need to install new sensors or any hardware



Rapid Result

3 weeks from the initial meeting to a commercial operation



Universal

Compatible with 30-year-old industrial automatization system



Scalable

Ready to scale across different manufacturing sites

Natural Gas Case Study

Independent oil & gas producer was frustrated with high GHG emissions and environmental penalties on the natural gas processing plant.

Problems



Low Production Rate



High Energy Consumption



Human Mistakes



High GHG Emissions

Results

	Product Yield	Equipment Utilization	GHG Emissions	Money Per Year
Humans	92%	91%	116%	- \$5,430,000
AI Operator	100%	99%	83%	+ \$5,120,000

Timeline



Day 1

The customer shared a 1-year historical data from the sensors and laboratory.



Day 7

We cleaned and reconstructed the data, utilized it to customize AI models.



Day 14

Connection to the process automatization system, industrial testing.



Day 21

Commercial operation in fully autonomous mode.



Day 60

Connecting the additional production line to the AI Operator.

Phone

646.284.3189

CHSM
TECH

Address

287 Park Ave S
New York, NY 10010

info@chmtch.com