

## Expro Excellence

# Delivering excellence at Chayvo IPF

## Well Flow Management | Production



### Objectives and background

- The project was executed at the Chayvo drilling site onshore Sakhalin Island, Russia, an arctic environment with temperatures reaching -40°F and heavy snowfall
- The Interim Production Facility (IPF) was required to process early oil and gas production ahead of permanent facility readiness
- Design specifications included handling 50,000 barrels of crude oil per day and 150 MMSCFD of gas, incorporating separation, gas conditioning, storage, and utility systems
- A 30-month contract was awarded in March 2004 inclusive of a 14-month Lease-Operate-Maintain period. Commissioning was achieved by August 2005
- The IPF was critical to bring first oil and gas from the Sakhalin-1 project to market, marking the clients first hydrocarbons produced in Russia

### Expro Excellence

- Delivered full-service solution including engineering, procurement, fabrication, mobilization, and commissioning from Expro's global hubs in Houston and regional resources
- Engineered modular skid-mounted process packages designed to withstand harsh arctic conditions, enabling efficient transport and assembly
- Coordinated international and local supply chains, utilizing Russian contractors under Expro's supervision to ensure compliance and safety in challenging conditions

### Value to the client

- Accelerated timeline allowed the client to achieve order-to-first-gas in 15 months, supporting early revenue generation and demonstrating schedule certainty
- Provided operational reliability with zero Lost Time Incidents during installation and operations, reflecting Expro's commitment to safety and quality
- Delivered cost-effective modular approach allowing rapid deployment and minimized field construction risk in a remote environment
- Ensured capability for smooth handover and integration with permanent facilities once constructed, reducing transition downtime

#### Fast track



#### Bespoke solution



### Additional Insights

- The IPF's modular concept included crude oil separation, produced water treatment, gas dehydration, utility systems, winterized housing units for personnel, and full compliance to GOST-R requirements
- Innovative design reduced logistical challenges and facilitated fast-track project delivery under extreme weather and limited daylight conditions
- Operational excellence recognized by the client, with the Project Manager citing the achievement as "nothing short of incredible."

#### Project highlights

**Location:**  
Onshore, Sakhalin Island, Russia

**Project Type:**  
Interim Production Facility (IPF) for oil and gas

**Capacity:**  
Oil Flowrate: 50,000 BPD  
Gas Flowrate: 150 mmscfd

**Contract:**  
Lease-Operate-Maintain (LOM)

**Safety:**  
No Lost Time Incidents (LTI)