

SURINAME FUEL TANK FARM

DESIGN & INFRASTRUCTURE OVERVIEW

The Suriname Fuel Tank Farm is a modern, safe, and environmentally responsible fuel storage and distribution facility designed to support import, storage, and reliable delivery of petroleum products for Port Boskamp and the surrounding region. Built to international standards (API, SCL, NFPA, IFC), the facility provides the capacity, security, and operational flexibility required for long-term energy independence and economic growth.

FACILITY OVERVIEW

The tank farm is strategically located along the waterfront with direct marine access, allowing efficient import of fuel via tanker vessels. The facility includes six large aboveground storage tanks and one additional smaller tank, a complete pipeline and pump network, a control and administration building, fire protection systems, and environmental containment. The layout is designed for safe operations, easy maintenance, future expansion, and full compliance with Suriname regulations and international environmental standards.

TANK STORAGE CAPACITY

The facility includes six primary tanks and one additional tank with a total working capacity of approximately 156,000 cubic meters (m³). The tanks are designed to store a range of petroleum products including diesel, gasoline, jet fuel, fuel oil, and additives. Each tank is built to API 650 standards with floating roof technology on appropriate tanks to minimize product evaporation and reduce emissions.

INFRASTRUCTURE & SYSTEMS

A network of buried and aboveground pipelines connects the tanks to the marine jetty, pump station, loading rack, and distribution system. The facility includes high-capacity transfer pumps, flow meters, filtration systems, and a pipeline control system for safe and efficient operations. The control building provides real-time monitoring, alarms, and automation for inventory management, pump control, and safety systems.

SAFETY & FIRE PROTECTION

The tank farm is equipped with a comprehensive fire protection system including foam monitors, firewater tanks, hydrants, deluge systems, portable extinguishers, and a dedicated fire pump. All tanks are surrounded by secondary containment bunds to prevent environmental impact in the event of a spill. The facility is designed to NFPA standards and includes lightning protection, grounding systems, and emergency shutdown (ESD) capabilities.

ENVIRONMENTAL PROTECTION

Environmental safeguards include double containment in high-risk areas, oil-water separators, stormwater drainage, and treated water discharge systems. The facility is designed to prevent soil and water contamination and to ensure compliance with Suriname's environmental laws and international best practices.



MARINE & DISTRIBUTION ACCESS

The facility is connected to a deep-water jetty capable of accommodating product tankers for import. From the tanks, products can be distributed by road tanker, pipeline, or barge to key locations within Port Boskamp and surrounding areas.

KEY BENEFITS

- Strategic waterfront location for efficient import and export
- Large storage capacity with multiple product segregation
- State-of-the-art safety, fire protection, and environmental systems
- Operational efficiency with modern automation and controls
- Built to international standards for long-term reliability and compliance
- Supports energy security and economic development in Suriname





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DESIGN & INFRASTRUCTURE OVERVIEW

The Suriname Fuel Tank Farm is a modern, safe, and environmentally responsible fuel storage and distribution facility strategically located along Suriname's riverine transport corridor. Designed to support marine, industrial, aviation, and local market fuel supply, the facility ensures a reliable and efficient fuel logistics hub for Suriname's economic growth and energy security.

FACILITY OVERVIEW

The fuel tank farm is designed for the safe storage and distribution of petroleum products including Jet, Fuel Oil, and Additives. The facility is built to international standards (API, SIG, NFPA, NFPA 30) and adapted for local environmental and climatic conditions.

- Strategic location for import, storage & distribution
- Capacity for multiple fuel products
- Environmental protection & spill containment
- Fire protection & safety systems
- Compliant with Suriname regulations & international standards

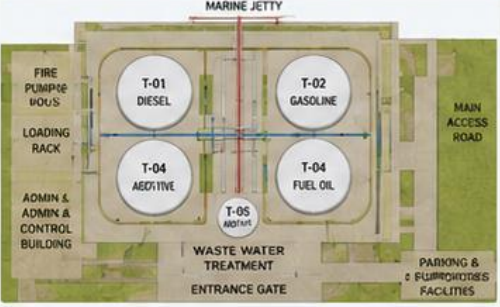
KEY FEATURES

- Total Storage Capacity: 86,000 m³
- Main Storage Tanks: 5 Tanks (23,000 m³ each)
- Loading/Unloading Tank
- Marine Jetty with Loading Arms
- Truck Loading Rack
- Automated Fire Protection System
- 24/7 Monitoring & Control System
- Environmental Protection Systems

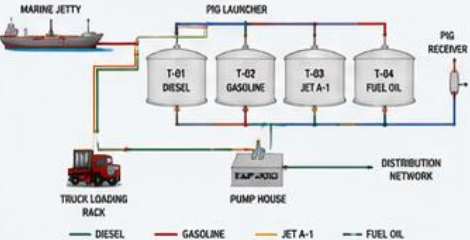
TANK SPECIFICATIONS

Tank No.	Product	Capacity (m ³)	Diameter (m)	Height (m)	Type
T-01	Diesel	23,000	42.5	15.2	Floating Roof
T-02	Gasoline	23,000	42.5	15.2	Floating Roof
T-03	Jet A-1	23,000	42.5	15.2	Floating Roof
T-04	Fuel Oil	23,000	42.5	15.2	Floating Roof
T-05	Additive	500	18.0	7.0	Cone Roof

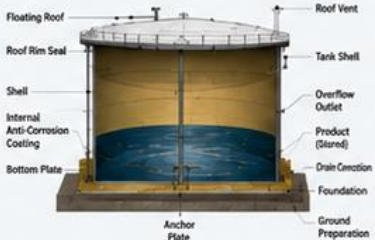
SITE LAYOUT PLAN



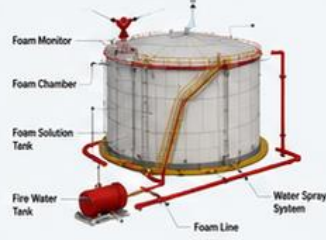
PIPELINE & FLOW DIAGRAM



TYPICAL TANK SECTION (FLOATING ROOF)



FIRE PROTECTION SYSTEM



TECHNICAL SPECIFICATIONS

- Design Code: API 650 / API 620
- Design Life: 30+ Years
- Wind Speed: 200 km/h (Cyclone Resistant)
- Seismic Zone: Very Low Risk
- Corrosion Protection: Internal & External Coating System
- Operating Temperature: Ambient

SAFETY & SECURITY SYSTEMS



FIRE PROMATION

- Location: Suriname
- Land Area: ~15 Hectares
- Products Stored: Diesel, Gasoline, Jet A-1, Fuel Oil
- Total Capacity: 86,000 m³
- Operator: Suriname Energy Company (SEC)

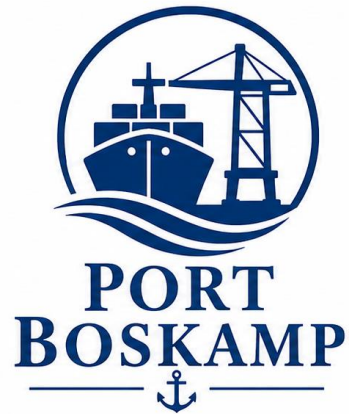
ENVIRONMENTAL PROTECTION



NOTES

- All units are approximate.
- Design/arrangement with local regulations and international standards.
- Environmental impact assessment and permitting to be conducted as per Suriname laws.





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