

Automation, supervision and truck loading management

Application

- Truck loading supervision
- Automation
- Reporting and traceability

Atlas Neo

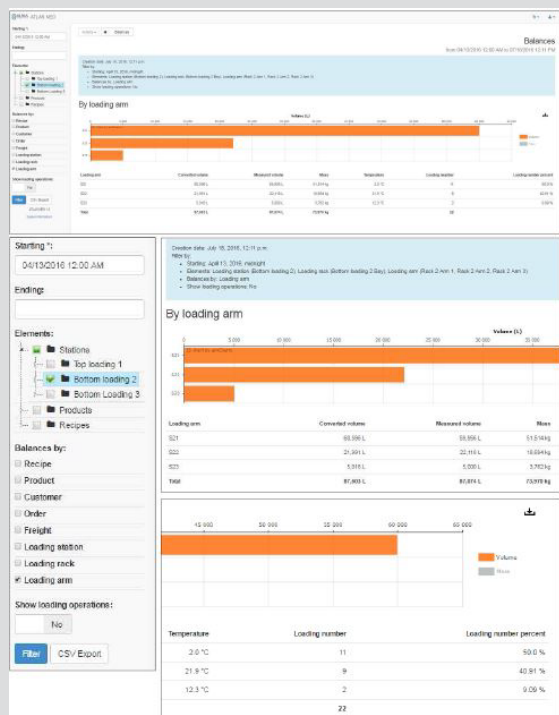


Constitution

- Server application
- Automation application
- Firefox or Google Chrome Explorer
- Communication interface Ground Ethernet / Serial

Advantages

- Solution for the tanker loading
- Modular features
- Scalable product
- Direct communication with field calculators
- All in one (Management / Supervision / Auto)
- Data traceability and actions

Loading arm	Converted volume	Measured volume	Mass
S21	98,096 L	98,096 L	115,94kg
S22	21,991 L	22,116 L	26,09kg
S23	4,041 L	4,026 L	4,76kg
Total	124,128 L	124,238 L	146,80kg

Main specifications

30 years of experience and more than 60 operated sites, among various actors, with tools dedicated to truck loading operations has enabled ALMA to acquire an optimal level of expertise suitable for a wide range of deposits regardless of their size.

Built with the aim to provide a non-constraining responsive service, ATLAS NEO integrates this knowledge through a simple, modular and scalable tool, sized to the functional needs of each site.

A Windows server environment, gathering the various functional modules and database, combined with Web technologies, offer the possibility of rapid deployment of the application in multi-station mode via a simple browser.

Designed for essential services of loading, ATLAS NEO accompanies the piloting, supervision and management of loading stations equipped with ALMA Microcompt+ calculators and TISI terminals with a high level of traceability.

This tool supports: management of vehicles, products and their permitted quantities, cargo identification, cargo compartmentation and automatic measurement recordings. The tool's seamless interface brings together configuration, control, supervision and operations analysis features.

Basic features

- Management of users with specific access rights
- Management of commercial products
- Client management
- Management of multi-order, multi-product cargo
- Volume conversion at 15 °C
- Assigning loads to the dome docksides and sources equipped with Microcompt+ calculators
- Supervision
- Loading tickets (PDF) with automatic archiving (customisable format)
- Continuous recording of transactions and ground events
- Multi-criteria balance sheet selected by the user
- Database redundancy
- Management of different units : L / gal / m³ / °C / °F

Operational module

- Véhicule management (date constraints, mass properties, volume compartments)
- Identifying loading on the dockside without operator action
- Piloting of predetermination by compartmentalisation
- Automated data transmission to third party via Modbus TCP
- Integration of remote gauging data of storage containers
- Reconciliation of container volumes vs. manual measurement
- Available in English and French : other languages on request

*Prerequisites : Windows environments 7/10 / Server 2012
Explorers : Firefox / Chrome
Database : PostGres SQL
Video Resolution : 1920 x 1080 - Ethernet Network
Ground communications through Ethernet-IP converters / RS485 and Modbus TCP*

The screenshot displays the ATLAS NEO software interface. On the left, there's a navigation menu with options like 'Dashboard', 'Supervision', 'Reports', 'Clients', 'Orders', 'Products', 'Parameters', and 'Administration'. The main area is titled 'Freight 32 (9990)' and contains a 'Main information' section with fields for 'Order', 'Origin', 'Destination', 'Company', 'Material', 'Product', and 'Weight'. Below this is a 'Compartmentalization' table with columns for 'Component', 'Capacity', 'Recipe', 'Order', 'Progress', 'Inventory', and 'Inventory status'. The table lists various components like '4000-gal-LIS' and '1000-gal-LIS' with their respective capacities and order details.

