

Banlaw ResTrack™ RMS

Liquid Resource Management System



Liquid Asset Intelligence

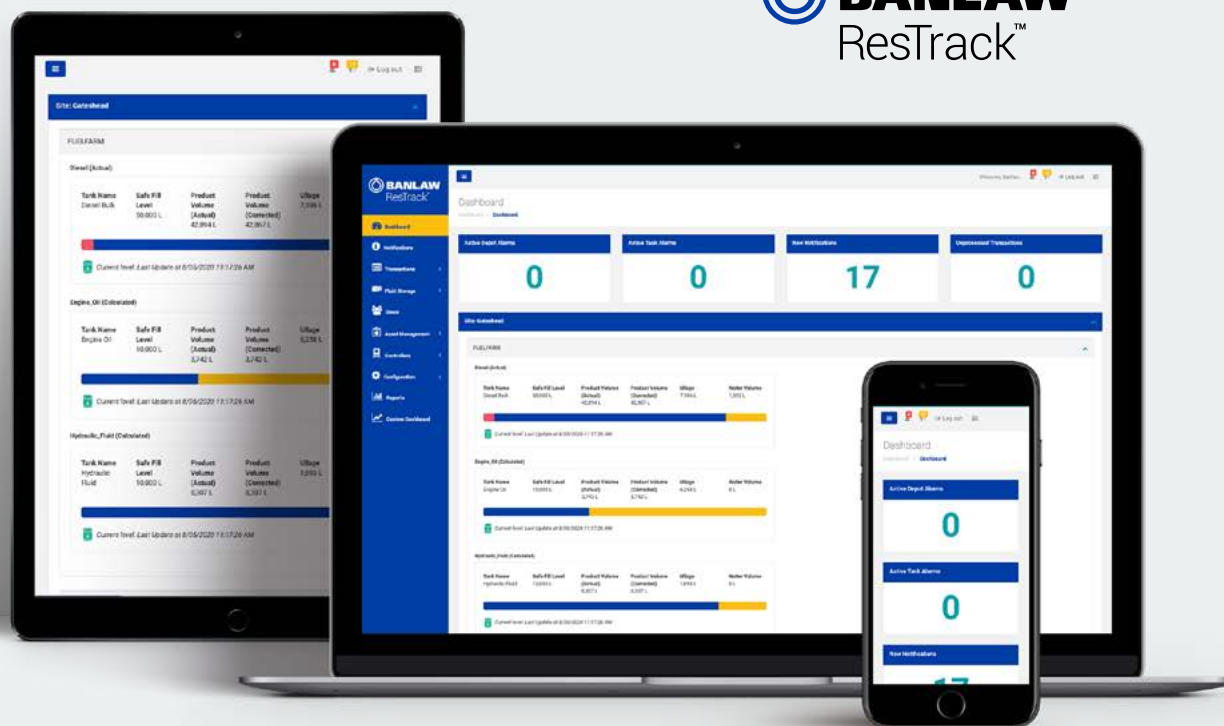
Can you track all of the fuel your business purchases, with 100% validation to the fuel consuming asset? ResTrack RMS (Resource Management System) is our enterprise software solution for managing hydrocarbons and other high-value liquids.

Banlaw ResTrack™ means Security, Access Control, Monitoring and Reconciliation of fluids – Automated.

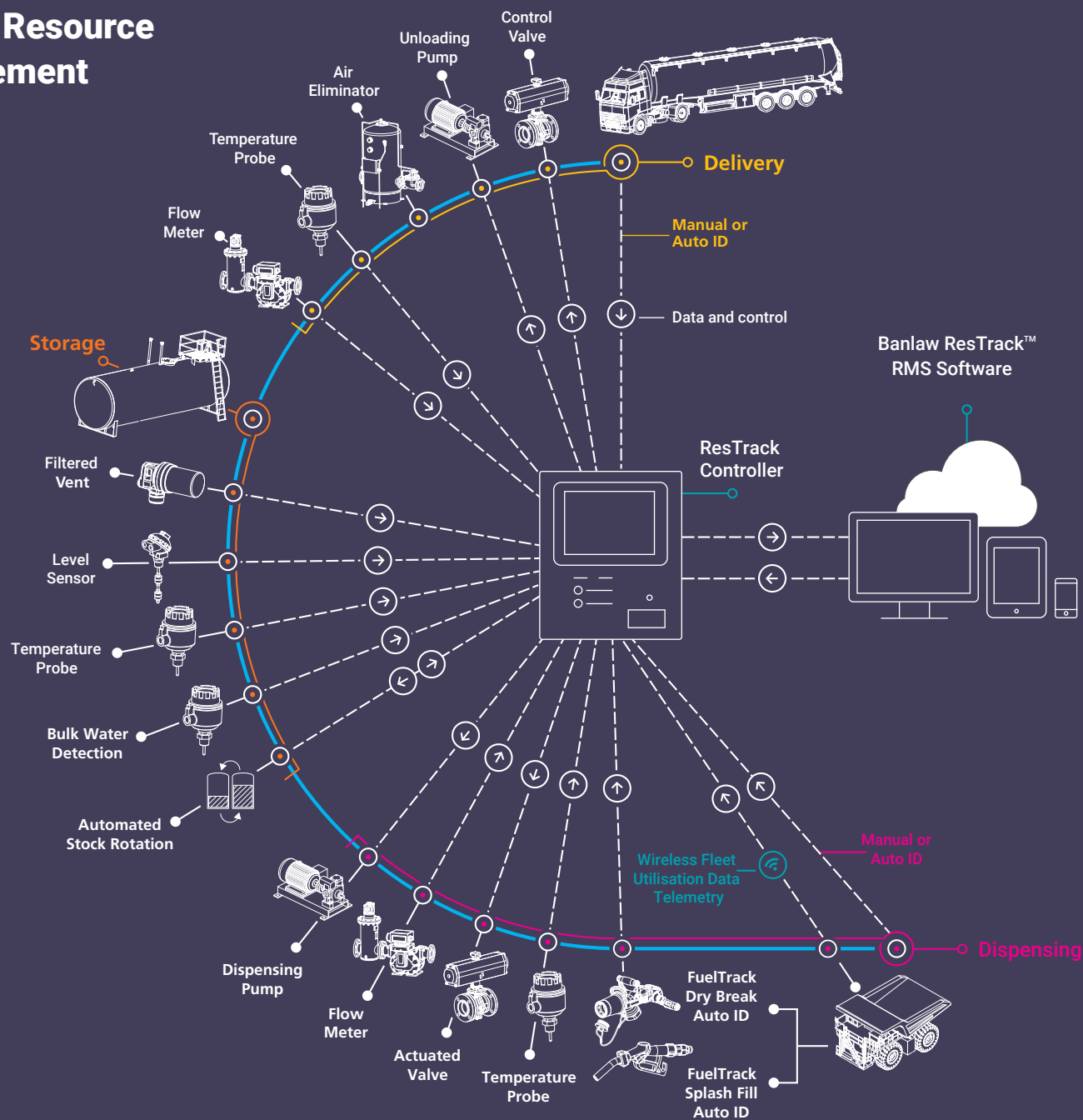
Our ResTrack software is built to enable mature and emerging practices in the management of hydrocarbons. It helps many industries achieve visibility and control, along with digital transformation and process automation in Refuelling, Fuel Farms, Maintenance Facilities, Fleet Insights, Fluid Cleanliness, and Security. Banlaw ResTrack™ RMS Software will help you unlock the true value of the fluids you purchase. One of the largest costs in many businesses.

Banlaw ResTrack™ RMS Software

- ▶ Receipting of all fluids purchased to site target accuracy levels
- ▶ Total Reconciliation of fuels and oils purchased through dispensed
- ▶ Real-time tank level monitoring and visibility of fluid stores, whether they are fixed or mobile
- ▶ Industry-best security with integrated Auto-ID for 100% validation to the authorised fuel consuming asset
- ▶ Future Ready – software can be cloud-hosted, and is remotely updated to deploy new features or integrate complementary 3rd-party technologies
- ▶ Actionable Insights – Reports/Alerts/Analytics tailored to the user or department, and accessible on any device, any time
- ▶ Accessibly priced, with annual software fees based on field controllers actually being used, rather than up-front project costs



Banlaw Resource Management



Banlaw are the only OEM with the complete solution:

- Site Services
- Built Infrastructure
- Fuel Management System Software
- Fluid Transfer Hardware
- Secure Equipment Auto-ID Technologies
- A permanent engineering staff of hydrocarbon experts
- Advanced manufacturing skills, equipment and facilities
- Global project deployment capabilities

Burn Rates

Theft and behaviour

Maintenance scheduling

Fleet optimisation

Increased asset life cycle



Visibility of supply and validation

Integrated fuel security technologies

Real time tank levels

Optimised delivery timing

Audit-ready reporting

Future Ready

Featuring cutting edge software and communications techniques, our ResTrack RMS software is cloud-hosted by Banlaw or hosted on your own company network. The web interface provides secure anytime, anywhere, any device access to the FMS, and it delivers exactly what information the user requires when they need it.

Our ResTrack RMS software communicates with smart devices such as Banlaw's SecureFill™ refuelling hardware and the Banlaw On-Board data collector. Ensure fluid security, aggregate utilisation and fuel consumption data, and automatically create targeted reporting to aid various departments. Ongoing software development focuses on additional connected devices, enhanced business intelligence reporting products, along with 3rd-party integrations which continue to extend your business insights with Banlaw ResTrack™.

Our ResTrack fuel management system software features superior security, but is also remotely accessible, configurable, upgradable, and supportable.

Unique Value Stack

- Accurately measure delivery and dispensing of all fuel
- Maintain appropriate inventory levels for assured production, but also to free up OpEx
- Automate fuelling processes for improved safety, process efficiency, plus transaction and machine data capture accuracy
- Maintain fluid cleanliness to OEM specifications for optimum service intervals, and avoiding expensive surprises
- Gain insights on fleets and facilities from proactive notifications and targeted reporting, enabling advanced maintenance management systems
- Achieve Absolute Fuel Security from Auto ID technology integrated inside the refuelling hardware – Totally Unique to Banlaw

Compatible Field Devices

Banlaw's ResTrack™ solution is built on a flexible, distributed architecture. ResTrack RMS software communicates with a very wide variety of hardware devices and Field Controllers. Our proprietary Field Controllers and Fluid Transfer Points provide the appropriate functionality to meet site requirements, but in a manner which is totally scaleable and accessibly priced.

Hardware

- ▶ Splash Fill Auto-ID Readers and Rings
- ▶ Dry Break Auto-ID Nozzles and Receivers
- ▶ Banlaw On-Board Data Collectors
- ▶ Temperature probes, flow meters, level sensors, pumps, actuated valves, water detection devices and more

Field Controllers

- ▶ Advanced Controller - Full-featured touch screen FMS Controller
- ▶ Mobile Controller - Bombproof mobile FMS Controller for service vehicles
- ▶ Tank-Side Controller - Single or multi-tank ATG Controller
- ▶ Xpress Controller - User-friendly FMS Controller for managing 1 to 4 fluids
- ▶ Fluid Transfer Point - Upgrade existing systems to manage 1 additional fluid

Banlaw SecureFill™

Banlaw is the only OEM with patented Auto-ID Secure Filling technologies, integrated inside our Dry Break Refuelling Nozzles and Receivers.

It's totally unique to us.



Splash Fill Auto-ID Readers and Rings



Dry Break Auto-ID Nozzles and Receivers



Advanced Controller



Tank-Side Controller



Banlaw On Board Data Collector



Skids and Infrastructure

Software Capabilities of a Banlaw Liquid Resource Management System

Measurement

Automatically accumulate fluid utilisation data from a delivery, storage, and dispensing perspective

Detect water (fluid contamination) in bulk storages

Automatically capture machine mileage and engine hours

Real-time tank level monitoring of fixed and mobile storages (TLM/ATG)

Fluids can be measured in gallons or litres

Management & Security

Overarching management dashboard for multi-site deployments

No limit to the number of field Controllers able to be managed by a single software deployment

Up to 16 fluid types can be managed at the same time

Automated fuel supplier delivery scheduling (with internal and external email notifications)

Enables Security management, delivery scheduling, cost-centre management

Dashboard view of critical functions such as levels and alarms is optimised for multiple user device types

Fluid access security for specific users and equipment can be configured down to individual Field Controllers within the network

A variety of user roles can be configured with differing security levels, fluid access levels, and system administrative privileges

Affordable software licensing framework scales based on the number of Controllers being managed

Can be installed on your own corporate network, or in a vendor-managed cloud environment

Reporting & Analytics

Integrated reporting and visibility for multi-site deployments

Fluid reconciliation reporting (>99.5% accuracy)

Extensive native reporting suite provides insight on fleets, sites, tank levels, machine classes, business units, fluid reconciliation, and tax office requirements (Fuel Tax Credits)

Configurable email alerts for tank levels

Data export functionality for ERP and BI suite integration (i.e. SAP, Dynamics, etc)

User Experience

Anytime, anywhere, any device access to the software from phones/tablets/computers with a web browser

Compliance

Enables fuel accounting for National Pollutants Inventory reporting (NPI), Greenhouse and Energy Reporting (NGER), and other global fuel accounting obligations

ResTrack is an audited, Australian Tax Office (ATO) compliant means of Fuel Tax Credit reconciliation

Banlaw ResTrack™ RMS Features

Dashboard

Real time visibility of tank levels for each storage tank and each work site configured within the software

Active Alarms overview for both storage tanks and fuel management controllers, and quick access button

New Notifications overview and quick access button

Unprocessed Transactions overview

All Alarms and Notifications can be acknowledged or dismissed individually or in batches

Notifications

Status updates for all field Controller units

Status updates for all connected Storage Tanks

Transactions

Logs for each fluid Receipt, Transfer, or Dispense transaction

Transaction filter, search, add, update, upload, and export functionality

Key data points are automatically captured

- ▶ Date/Time
- ▶ Site
- ▶ Controller
- ▶ Nozzle
- ▶ Fluid Type
- ▶ Fleet
- ▶ Class
- ▶ Unit
- ▶ Tag
- ▶ User
- ▶ Duration
- ▶ Volume
- ▶ Transaction Type
- ▶ Engine Hours
- ▶ Odometer
- ▶ Idle Hours
- ▶ Cost Centre
- ▶ Delivery Receipt Number
- ▶ FTC Value
- ▶ and more

Fluid Storage

Detailed information about fluid stores including levels, which can be displayed for each tank, or for each storage facility

Ability to add and configure additional storage tanks, including high/low level alarms, safe fill levels, tank identification numbers, location, fluid type, etc

Manual Dip and Fluid Receipt entry interface

Precision tank gauging configuration options (level & temperature devices)

Search functionality to streamline administrative functions for larger deployments

Users

Ability to add or edit users with a web browser

Set users as normal or supervisor, pin numbers, swipe cards

Configure fluid access privileges for users to specific work sites, specific Fuel Management Controllers, or both

User search functionality included

Asset Management

Search, view, add, edit and manage identification tags for fluid consuming assets

View current high level metrics for each unit

Add and edit equipment classes, including fluid tank capacities, average daily usage, and environmental reporting classification

View and configure the type of dispensing nozzles allowed for each fluid which is approved to go into each machine type

Search, view, and configure fleets and cost centres

Manage equipment Auto-ID tags for each associated machine

Set fluid usage limits for units or classes such as maximum allowed volume, or volume over a specific time period

Banlaw ResTrack™ RMS Features

Controllers

Add, edit, and view details of field controllers within the fuel management system

Check connectivity, system status, polling interval, tank assignments and other controller settings

Write nozzles, tags, pins and fleet class information to field controller units

Search and export controller information, and configuration

Standardised templates included for streamlined configuration

Configuration

Configure user roles and associated privileges

Configure individual users and their access security

Configure fuel tax credit values to align with regional hydrocarbon taxation rules for each storage facility

Configure the types of fluids the system will manage and temperature compensation settings

Configure the types of fluid transfer transactions and the types of dispensing nozzles deployed

Configure work sites the software deployment will manage (including sites in different states, territories, or countries)

Configure email addresses used for notifications, alarms, automated stock re-order etc

Reports

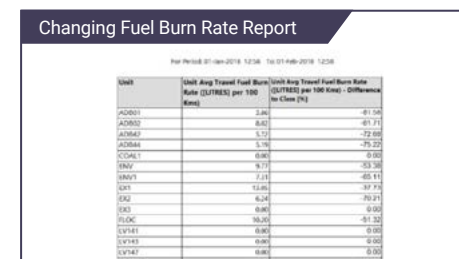
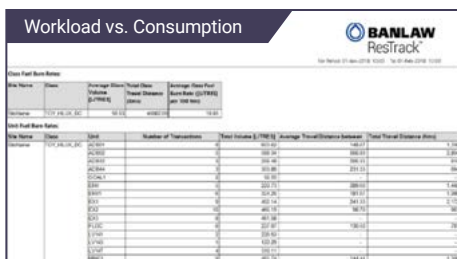
Run, view, filter, and export any of the 36 standardised reports included in the ResTrack RMS software

Just some of the standardised reporting options available

- ▶ Transaction Detail Report and Transaction Report
- ▶ Tank Level Detail Report
- ▶ Alarm Report
- ▶ Fluid Delivery Report
- ▶ Fuel Delivery vs. Manifest Report
- ▶ Fuel Tax Report
- ▶ Receiver Tags Report / Unit Details report
- ▶ Unit Last Refuelled Report
- ▶ Unit Summary Report
- ▶ Periodic Reconciliation Report
- ▶ Group Summary Report - Class / Fleet / Cost Code
- ▶ Fuel Usage Exception Report
- ▶ Storage Received vs. Dispensed Report
- ▶ Fuel Burn Rate Report
- ▶ Health Check Report

Additional custom reports can be configured and integrated by Banlaw at customer request

Proactive continuous improvement and auditing services are delivered via SLA





Contact Banlaw today if you need to manage valuable liquid assets including hydrocarbons, water, gas, or other chemicals with total control. With Banlaw, every drop ends up where you need it, when you need it.

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