

Operationalising Digital Workflows for Industry 4.0

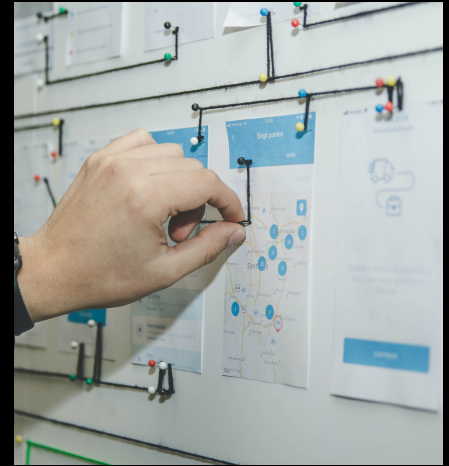


The Problem:

Industrial Workflows and Processes can be made more efficient by leveraging real-time data from data sources such as telemetry systems and IoT devices.

IoT projects usually get stuck at this point of integration.

Whilst acquiring data digitally is now relatively commonplace, the data is generally made available in silos and removed from the way the operation really works, making it hard to leverage.



Industry Challenges:

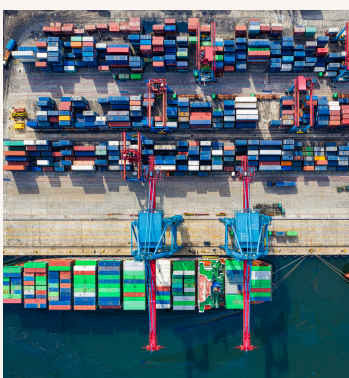


Construction & Rental:

Construction sites are heavily process-driven and still rely on very manual data acquisition methodologies across a very broad spectrum of stakeholders (Client, constructor, subcontractors, equipment/labour/material suppliers, rental companies). Many technology solutions are coming on the site to solve pockets of efficiencies, and more generally paper trails are being replaced by digital offerings, but ensuring data can move around between all stakeholders and automate processes is not there yet.

Agriculture:

With so many variables in the production of food, using real-time data to better understand the behaviour of the soil, weather patterns and so on enables farmers to make better decisions that are critical to their yield. With IoT coming in the field now, being able to link data from sensors to operational systems like irrigation or to yield forecasting and market pricing tools, or to financial instruments from banks and insurance companies opens up new ways to increase the efficiency of a farming operation.



Logistics and Cold Chain:

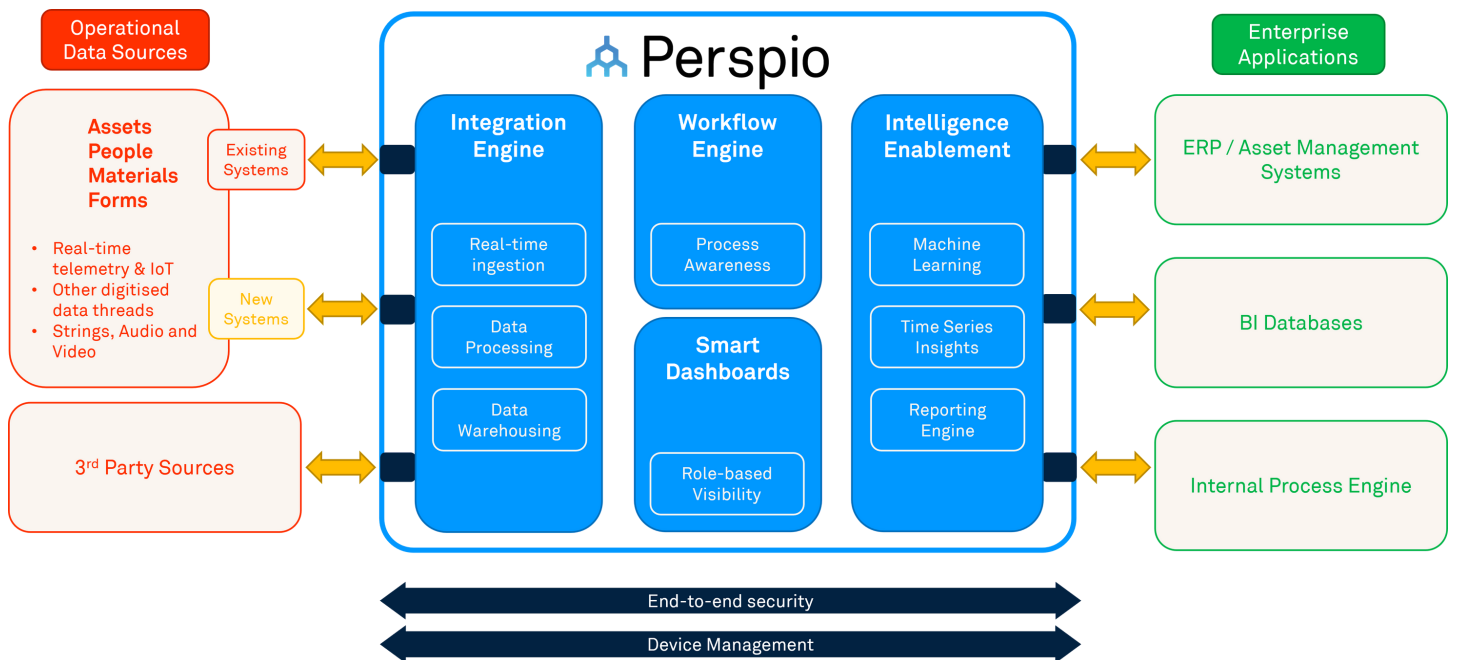
The logistics market is fairly advanced with regards to monitoring vehicles - that being said, more often than not, the data from those vehicles is not leveraged to its full potential. Add to this the need to monitor goods in transit - no longer the vehicles only, and multiple tracking solution vendors and very quickly logistics operations are lost in the data. There is no single interface that can be easily called onto to bring it all together and recommend a course of action, requiring cumbersome IT transformations to solve.

Our Solution: Operational Real-Time Data Fusion

A new generation of IoT platform, to truly realise the potential of IoT-based digital transformation in Industry and operationalise the integration to line of business systems.

From data ingestion across any connectivity, device and cloud repository to integration with line of business systems, Perspio provides customers with real-time contextual recommendations to make better informed decisions.

Perspio is truly embedded in the operation, as a centralised brain to **make the relevant data available to the right person, in the right system, at the right time.**



What does this mean for you?

It makes it simple to bring together on one screen all the components that are of interest to the operation with levels of role-base access and sub-tenancy.

It means that your data isn't generated in a vacuum - it is contextual and provides operational teams with immediate efficiencies, through our UI or directly inside the systems they are used to work with.

It helps automate your workflows, and removes manual and repetitive tasks, saving time and effort and providing complete traceability.



Case Study:



Farm-to-plate optimisation

Game Farm is a specialist Meat and Poultry supplier, controlling the whole chain of production from farm to plate across New South Wales. With 4 farms and a processing facility serving customers amongst the most prestigious restaurants and hotels of the region, quality of the product and customer experience are key focuses for the team.

Animal Welfare

Understanding stress and injury of the animals in transit prior to processing is key to better quality product and more accurate yield forecasts.

Cold Chain Compliance

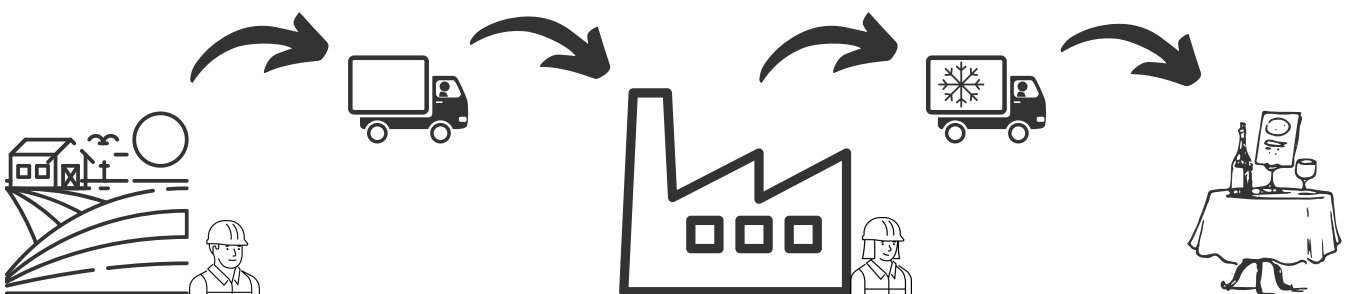
Temperature Control from processing to delivery ensures the safe consumption of the product and the highest quality rating via transparency.

Customer Experience

As a high end restaurateur you want to know the product you are receiving is the best quality possible, with minimal tampering - transparency across the chain becomes a key selling point.

Worker Safety

Like any industrial site, farms and processing facilities have dangers. Knowing who is on-site, the machines they can operate, and how long they work for ensures the best safety outcome.





Case Study: Rental Operations Management

Inauro is working with a general equipment hire company operating through a centralised distribution warehouse, making their equipment readily accessible for customers across Greater Sydney. Their recent equipment fleet is composed of multiple suppliers and models across the whole range of construction needs, from tools to heavy machinery, unpowered assets and fluid management

Single Screen Monitoring

With the mixed fleet, also comes mixed telemetry capability, from none at all to complete cloud visibility. Integrating all data feeds into a single system provides the Operations team a better view of on-hire inventory.

ERP integration

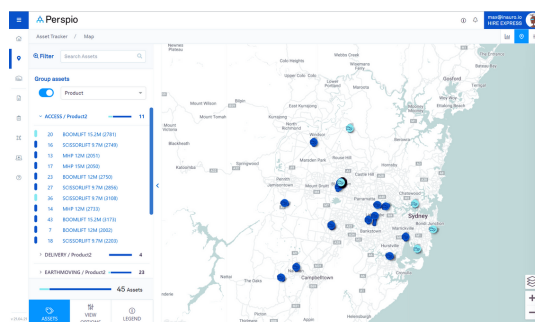
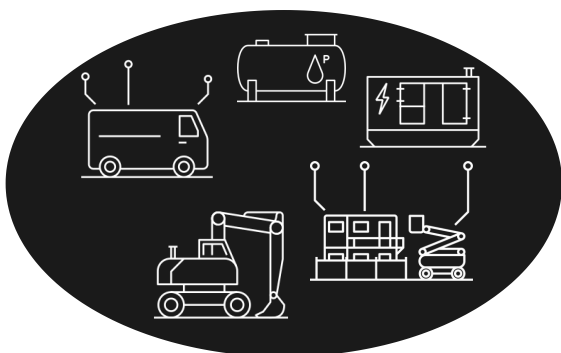
Data from the equipment is enriched in the platform by calling onto the ERP's asset master register to provide context around the customer hiring the asset. Conversely, engine hours or odometer readings are synced live to support maintenance needs.

Automated Tolling

With the number of toll roads around Greater Sydney increasing, revenue leakage due to the complex nature of toll recovery is significant. Automatically writing toll charges to ERP contracts in real-time enables to solve this.

Customer Visibility

Providing Rental customers with the ability to view real-time information on the assets they currently have on hire provides better experience and makes the customer asset management job easier.





Case Study: **SCULLY** Refrigerated Special Vehicles RSV Cold Chain Logistics

Scully RSV is a full-service manufacturer, providing customers all over Australia with Refrigerated Trucks for Sale and Hire. Scull RSV also offers Refrigerator Servicing, Maintenance and Repairs across their rapidly expanding fleet of ~200 vehicles to date.

Truck Fleet Monitoring

With a fleet of vehicles on/off hire, sold or leased, understanding all the characteristics of the trucks and their cargo in a screen enables the operations to make decisions faster.

Automated Tolling

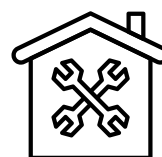
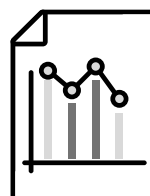
With the number of toll roads around major cities increasing, revenue leakage due to the complex nature of toll recovery is significant. Automatically writing toll charges to customer contracts in real-time enables to solve this.

Service-aaS

Servicing ahead of issues or proactively reaching out to customers based on real-time behaviour of the vehicles creates a very sticky relationship between the supplier and its customer.

Financial Reconciliation

With different parts of the company leveraging different software platforms to operate, it makes it difficult for proper financial reconciliation to be automated - integrations between operation and financial systems streamlines this need.



#getyourdatatowork



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