



Help to deliver the insights that are redefining the future: **partner with us.**

Our all-in-one technology is solving business' interoperability, real-time data + app development challenges, simply.



rayven.io
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Discover the iPaaS, Data, ETL, IoT, Analytics, BI, Automation, Workflow, PaaS, AI **All-in-One** platform that's transforming businesses (+ their customers).

Rayven is an easy-to-use SaaS platform for solving interoperability, real-time data + app development challenges without replacing legacy technologies, adding risk, or long development cycles.

Packed with the capabilities of multiple systems and the ability to turbocharge other technologies, we work closely with partners to help them build ready-to-deploy applications that extend what they do and build all-new products capable of delivering real-time insights + automated decision-making capabilities.

Work with us and we'll help you to rapidly develop [white-labelled applications](#), [add capabilities to your own technology](#), and [open new revenue streams](#), fast.

Integrate Anything-to-Everything.

Build Workflows + Applications, Fast.

Add AI + Automation Anywhere.

Rayven enables you to:



Integrate ANY technology, asset, system - anything



Build custom apps for any purpose, fast



Add GenAI + Machine Learning to anything



Ingest data in any format or interval + standardise



End data silos + ETL data anywhere in real-time



Manage, store + process your data in one place



Visualize data set in real-time with 40+ options



Automate any existing technology



Create new workflows + processes, simply



Deploy Rayven where you need it, even at the Edge



Build custom alerts, dashboards + make reporting simple

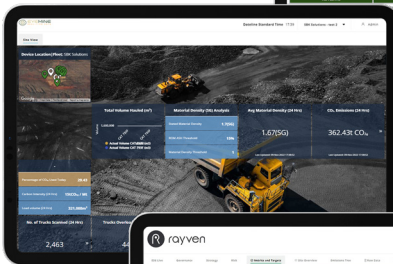


Secure all your data sources, end-to-end

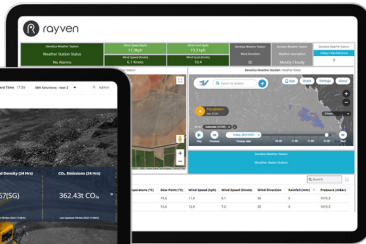


Build **highly-customised apps** with real-time, predictive + conversational analytics; controls; and more.

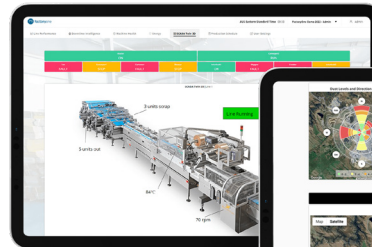
Mining Efficiency



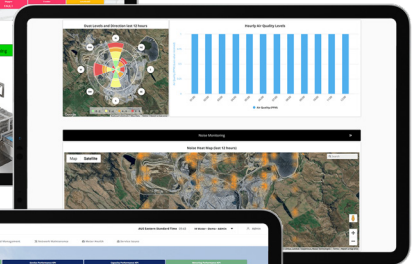
Agriculture + Environmental



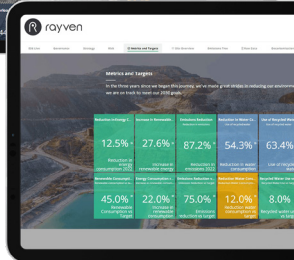
Manufacturing + Condition Monitoring



Dust Monitoring + Management



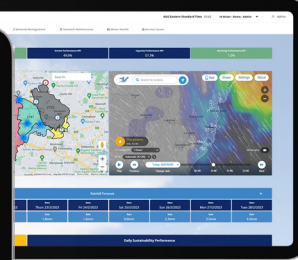
ESG Management



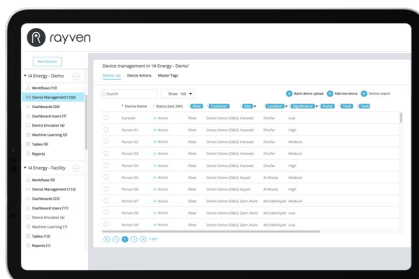
Energy Efficiency



Asset Management

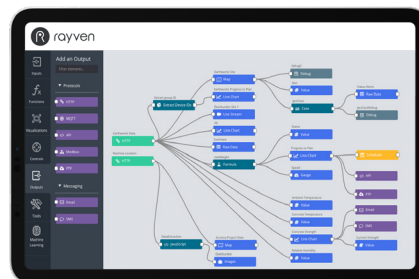


Using an easy-to-use **no- and low-code** toolkit.



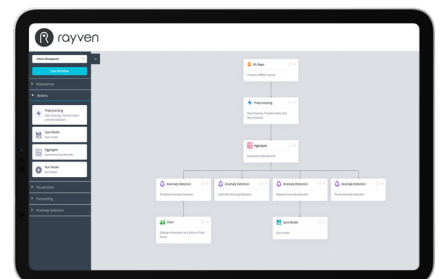
Rayven Workspace

Data grouping, user
management + more.



Workflow Builder

Real-time data processing,
automation + more.



ML + Gen AI Studio

Algorithm creation, training,
modelling + more.

Offer the custom applications your customers need, **simply**.

Fully **white-label** + brand your apps

Own the IP of what you build or develop

Get help at every stage: create, sell, deploy + scale

Generate **new recurring revenue** that's low-churn

We partner with **all sorts** of businesses, including:

- Technical services
- Mechanical services
- Engineering companies
- Telcos + comms providers
- Industrial automation
- Plant + machinery OEMs
- Maintenance services
- Device, sensor + gateway providers
- Industry consultants
- Computer hardware providers
- Environmental services
- Software companies
- Solution providers + integrators
- System aggregators

Our **highly-flexible** commercial models:

On-Sell

On-sell a joint-created app on your own.

Co-Sell

Co-sell a joint-solution together with Rayven.

Referrers

Create a joint app with us + exchange sales leads.

OEM

Build an app using our platform + white-label it.

You can sell:

- Your own applications
- Co-created products
- Private Cloud
- Our platform
- Data Science + AI expertise
- Our services
- Training

We've created **100s** of custom applications with partners around the world.

From our head office in Sydney, Australia, via our country offices and partners around the world, we have delivered custom applications for businesses globally.

We specialise in working with partners to help **solve complex, real-time problems, anywhere**; blending their expertise + our world-leading technology to create future-ready applications that transform businesses and their operations.



We solve business problems using our technology + expertise.

We have a **business-first mindset**, helping you to develop apps that solve your customers' challenges + get buy-in from decision-makers.

Common pain-points solved using our technology include:

Data is **siloed** + can't be analysed in real-time

Legacy systems are **difficult to integrate**

Reporting is **manual**, out-of-date, or best guess

Insights are **hard to share** with people + systems in real-time

It's hard to build **custom applications**

Existing solutions + systems are narrow and **unscalable**

You can't build **custom workflows + automations**

Machine Learning + custom GenAI adoption is a pipe dream

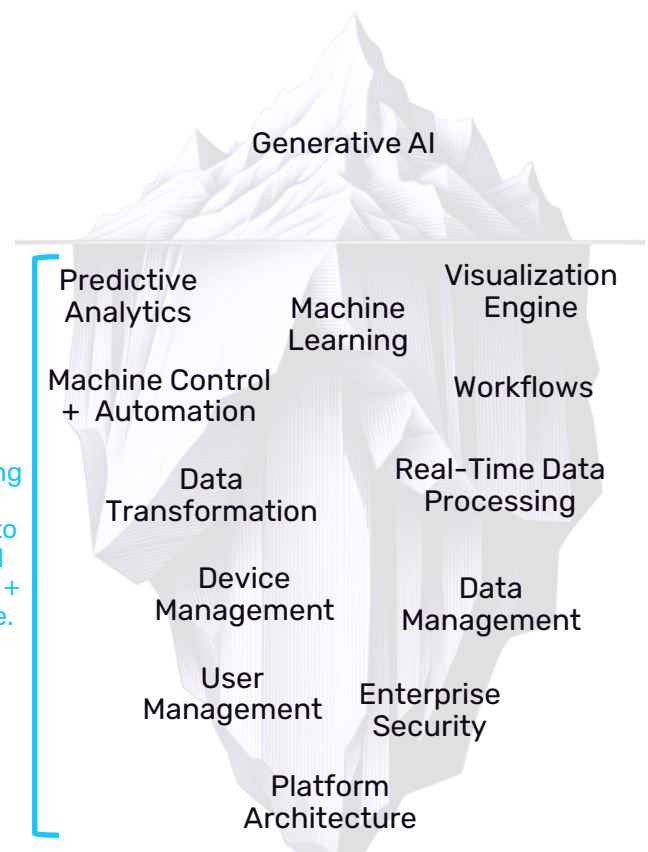
Rayven delivers real-time Machine Learning + GenAI capabilities, but what matters most is what's under the surface: **data**.

AI's effectiveness hinges on the data that your models have been trained on and its update rate.

If the data sets you use are accurate, specific to your business + updated in real-time, then you can use AI for decision-making, optimisation, and much more.

Rayven is unique because our platform not only excels at delivering the real-time data sets, an easy-to-use AI toolkit + the ability to deliver the insights and capabilities to users via custom apps; but it does all the things that are critical in-between.

Everything that's needed to make AI practical + effective.



End-to-end services.

We can do much more than just provide you with a platform.

Our team of experts provides a range of services that utilise their experience delivering industrial applications around the world, giving you as much support as you need during development or delivering projects.

We can **shape engagements to meet your needs**, including:

- Solution Design
- Data Integrity
- Quality Assurance
- Deployment
- Data science + AI
- Technical Support
- Scale + Develop
- Project Management
- Training

Need (some) help? Service Packs.

Buy a bundled number of Rayven services hours at a discount and get help when you need it. Our Service Packs last for 12 months and are configurable to your specific needs. **Speak to us to find out more.**

Discover **Fast Start**.

We offer a **3-step programme** that takes you from scoping to delivery + beyond.

Each section is **standalone** and can be completed as your needs evolve, working to timelines and budgets.

Phase 1: Scoping

Use case prioritisation
+ solution design.

Phase 2: Implementation

Data consolidation, processing
+ visualization.

Phase 3: Scale

Add automation +
AI capabilities.



Leverage our wider **partner ecosystem** + **free resources**.

Rayven has created applications with partners around the world, building expertise and developing innovative approaches.

When you become a Rayven partner, you can utilise our Partner Resource Hub and get **access a network of experts** who you can work with to solve technology, marketing + sales challenges, simply.

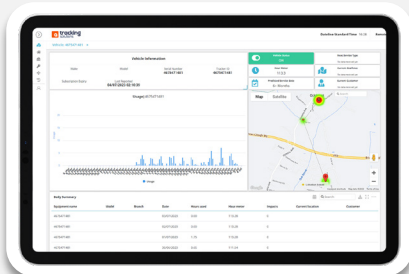


See how we've worked with some of our existing partners to **deliver transformational results** for customers.



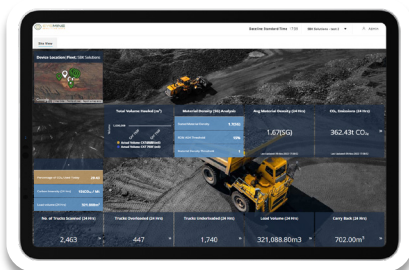
Energy Efficiency

MyEnergy Plus is an advanced energy monitoring, compliance and optimisation solution for facilities. It delivers granular, accurate data in real-time so you can run sustainability compliant buildings, simply.



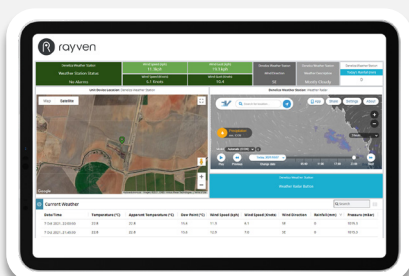
Asset Tracking

Tracking Solutions is a forklift fleet management solution that delivers real-time utilisation, maintenance, and location tracking insights alongside advanced alert and reporting capabilities.



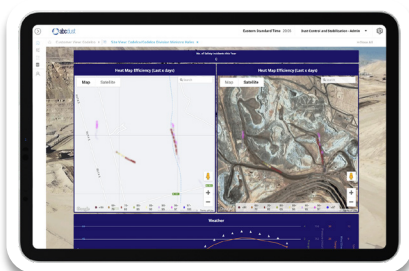
Load + Haul Efficiency

EYEMine enables miners to review key measures in real-time, assess machine and operator performance, and execute insight-led decisions, delivering measurable sustainability and production benefits.



Asset Monitoring

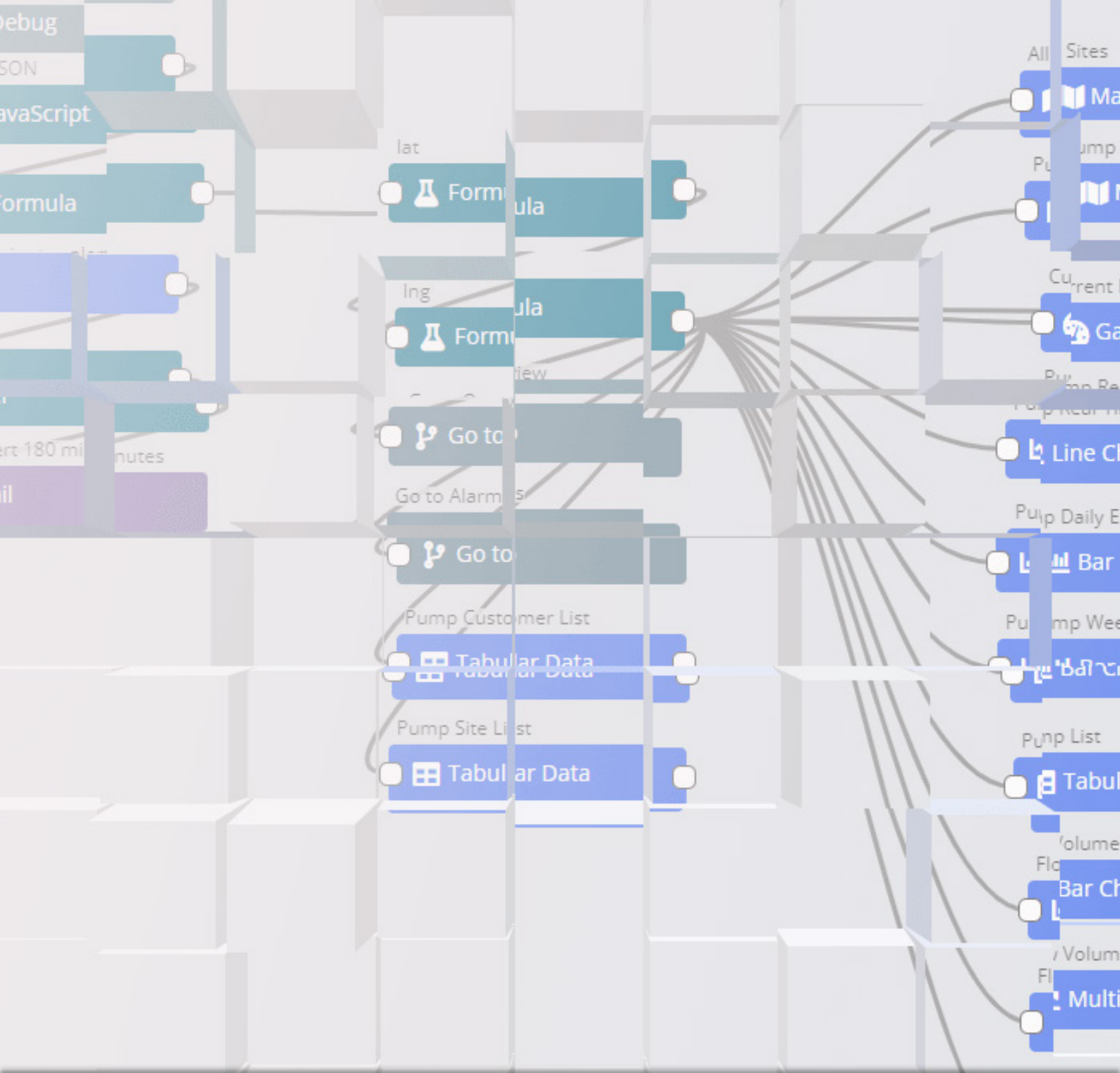
PLF provides agribusinesses with a complete view of their entire operations, enabling customers to make it easier to achieve their goals and better manage their operations, all whilst maximising returns and profitability.



Dust Suppression

ABC Dust is a dust monitoring and control solution for mining. It tracks geo-located dust levels in real-time and optimises water use based on scheduling, offering web-based tracking, analytics, and reporting.





Deeper-Dive:
**Our All-in-One, Hybrid
Platform.**

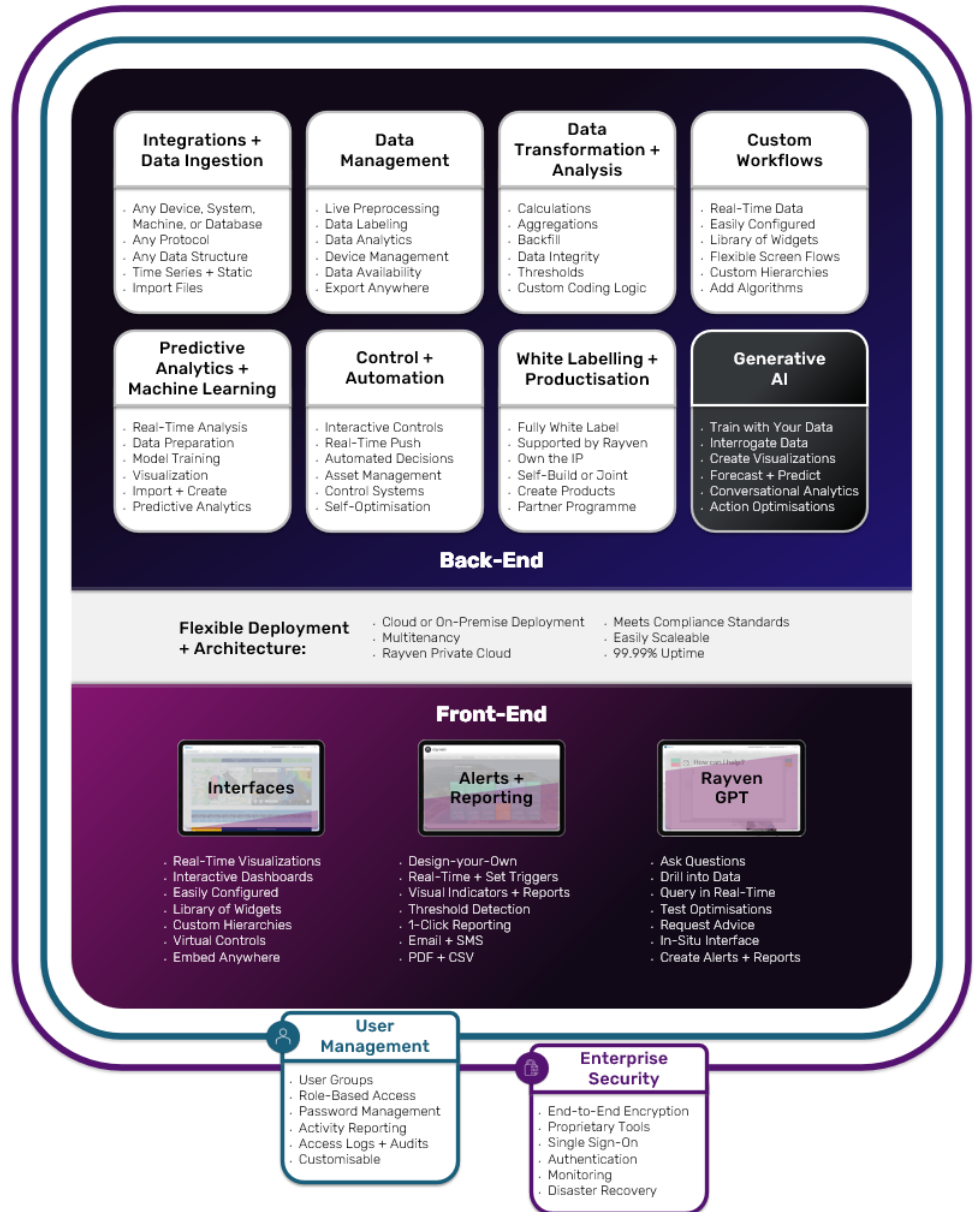


A complete platform that's easy-to-use + delivers incredible results.

The Rayven Platform is world-leading SaaS technology.

Unlike others, **our software is designed to be all-in-one**, featuring a range of native toolkits engineered to interact + connect from the very beginning. Its seamless design has no gaps, making it incredibly easy to do complex things, fast.

Our approach makes integrating and analysing real-time data, and then creating and scaling custom applications, **intuitive, fast + simple**.



Start fast, then scale:

Integrate: connect *all* your technologies + use as ultra-interoperable middleware.

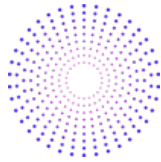
Process: collate, ETL, store, process + analyse *all* your data in real-time to create a single source of truth.

Build: custom workflows, alerts, automations, reports + applications featuring dashboards with data visualizations, virtual controls + more.

AI: add Machine Learning, Predictive Analytics + Generative AI to your applications to deliver Industry 4.0 capabilities.

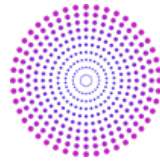


Rayven is a **new class of platform** that replaces multiple technologies. It's a...



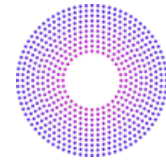
iPaaS

Integrate any data source, stream, asset - anything - to anything else, simply.



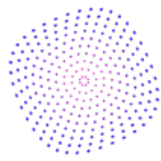
Data Platform

ETL | Ingest | Store | Manage | Process | Real-Time Analysis | Visualize.



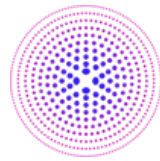
IoT Platform

Bidirectionally integrate data sources, manage devices + build complete IoT solutions.



Workflow Automation

Boost efficiency, reduce errors + streamline your business using existing tools.



Analytics + BI Platform

Use real-time, predictive + conversational analytics to improve decision-making.



AI Platform

Deploy real-time Machine Learning, GenAI + predictive analytics capabilities, simply.



PaaS

Boutique PaaS for building apps where real-time data integration + rapid development are critical.



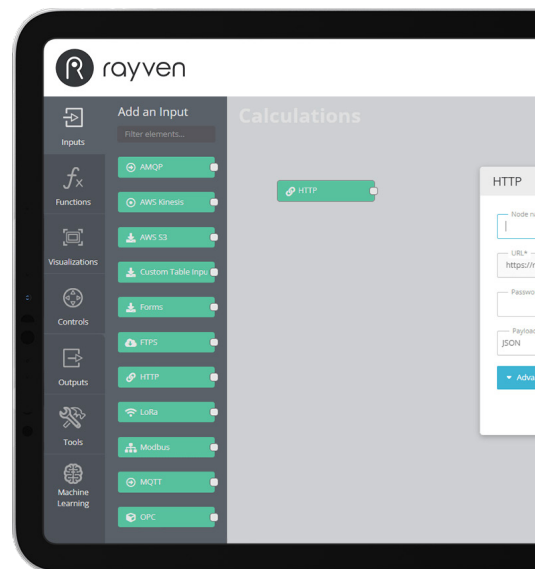
Rayven creates **bidirectional** connections with all your technologies, SaaS, data streams, in-field assets - anything - in minutes.



Integrate anything, in any format + get the complete, real-time picture.

We can integrate and ingest data from anywhere, connecting to systems via **connectors**, **dynamic nodes**, or **custom scripts**.

- Connect to anything
- Ingest any data format
- Time series + static data
- Protocol connectors
- Import files
- Auto back-up + DR



Our platform as ultra-interoperable middleware:

Modern businesses and the technologies that are empowering them to succeed run on real-time data – and lots of it – from multiple sources and in many formats.

Our platform enables you **to create a real-time single source** of truth for your entire industrial technology ecosystem by connecting at a deeper protocol-level, including:

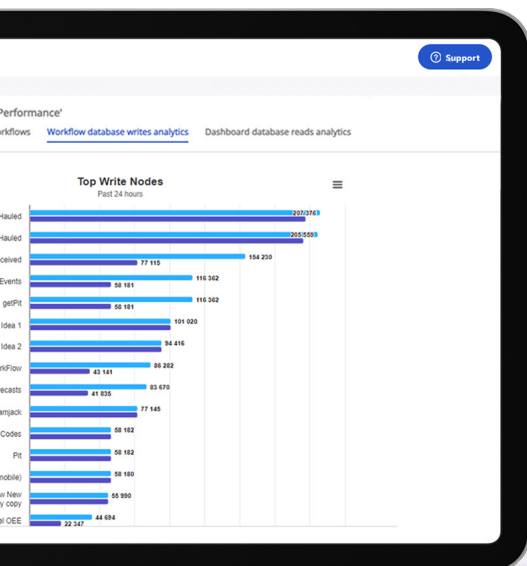
- API
- SQL
- MQTT
- Modbus
- AMQP
- SNMP
- FTP
- HTTP
- OPC
- LoRa
- AWS S3
- Raw UDP

Level 1 Data: Manual entry of data via custom forms.

Level 2 Data: ingest spreadsheets via FTP or manual uploads.

Level 3 Data: Gather real-time data from OT/IT systems.

Level 4 Data: Collect data from in-field IoT sensors + assets.



Easily manage all your data streams from one place.

We make it easy to manage all your data streams no matter their origin and format. Use easy-to-use, enterprise-level tools to organise + store your data, making it ready for anything.

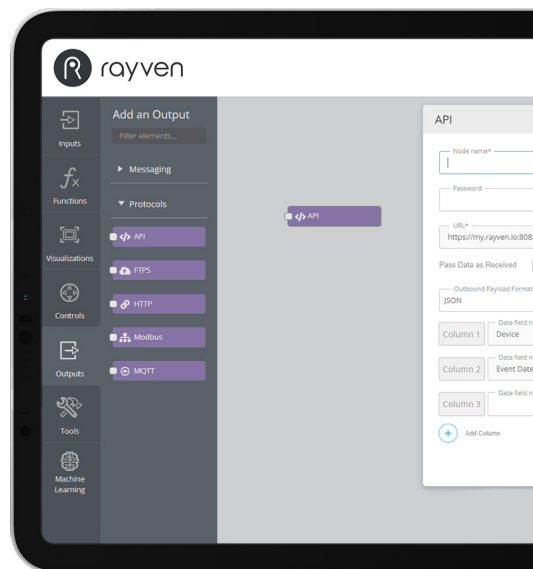
- Real-time preprocessing
- Data labelling
- Data analytics
- Device management
- Data availability + storage
- Export anywhere



**Collate, transform, ETL,
store + analyse real-time
data, simply.**

Rayven is a complete ETL platform that enables you to transform and analyse your real-time data in the moment + send critical insights where they need to go.

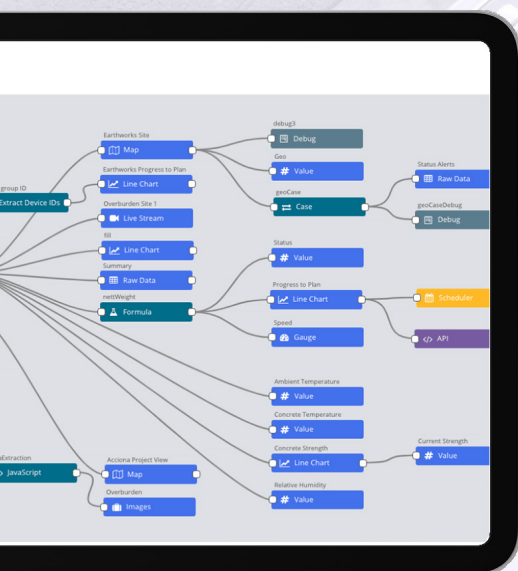
- Wide range of nodes
- Real-time processing
- Create custom logic
- Distributed processing
- Reusable components
- Scalable workflows



Build workflows that enable you to optimise + automate processes.

The codeless interface enables you to combine different data sources, perform complex calculations, create data visualizations, alerts, reports... the list is almost endless.

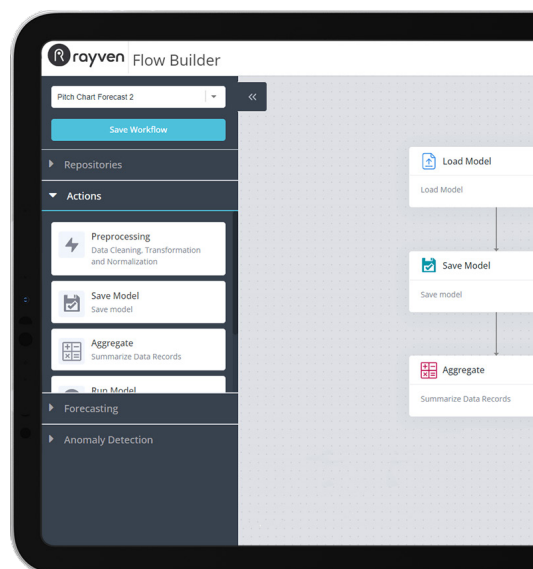
- Combine data sets
- Drag-and-drop
- Library of widgets
- Custom hierarchies
- Flexible screen flows
- Add machine learning



Leverage Machine Learning to deliver brilliant **predictive analytics**, simply.

Create and test algorithms to see which work best using our easy-to-use Machine Learning Studio. Then train + deploy them into your applications via our Workflow Builder.

- Import Python models
- Create algorithms
- Train with data
- Visualize + compare
- One-click deployment
- Real-time analysis





Create **automations** that optimise performance + anticipate needs.

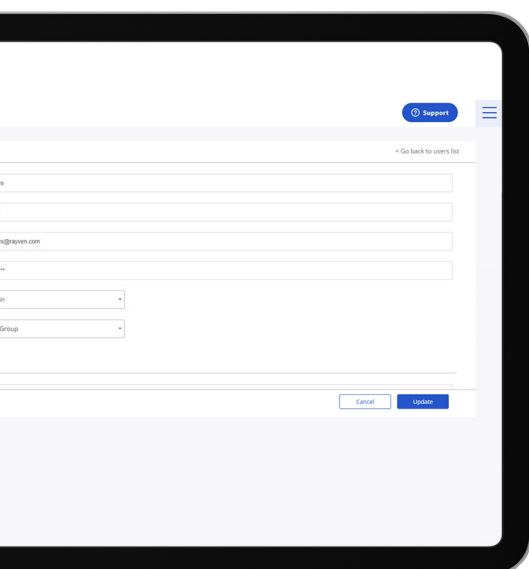
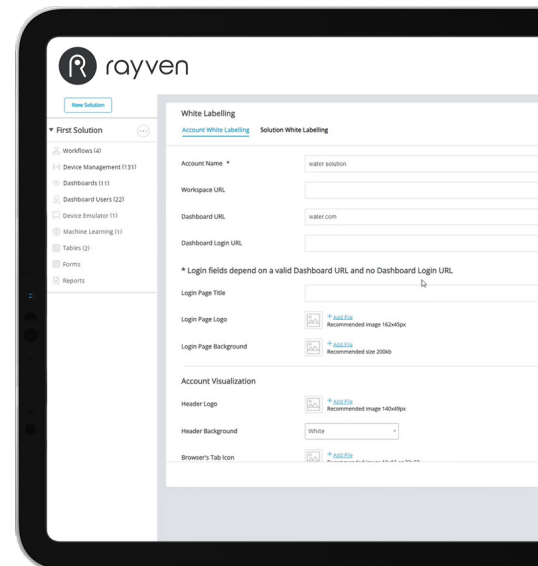
Create rules, control machines, and put in place sophisticated automations that optimise operations based on real-time performance – all without writing a line of code.

- Bidirectional feedback
- Interactive controls
- Automate decisions
- Asset management
- Use machine learning
- Report, simply

Deliver a **seamless UI + UX** that's unique to your brand.

We have a wide range of customisation options that come out-of-the-box, enabling you to make whatever you build fit your livery or match your customers' brand, perfectly.

- Fully white label
- Self-build or together
- Supported by Rayven
- Own the IP
- Create products
- Partner resources



Manage access, control + roles with full **user management capabilities**.

Our platform's inbuilt user management capabilities make it easy to manage users and ensure platform security + integrity across a wide range of scenarios.

- User groups
- Role-based access
- Password management
- Activity reporting
- Access logs + audits
- Authentication



Our **Generative AI engine**: plug in your real-time data + start asking questions.

Our platform's Generative AI capabilities transform your operations and business by bringing together your real-time data + custom Large Language Models (LLMs) trained on your business **in one place**.

- Utilise ready-to-deploy LLMs
- Build RAGs + customise models, simply
- Add conversational analytics to apps
- Speed-up model training
- No-code, drag-and-drop configuration
- Get scalable, reliable performance

Why are Rayven's Generative AI capabilities a **gamechanger**?

1: Real-Time Data

Tools like ChatGPT cannot collate and transform your real-time data to make it available for analysis in the moment – our platform can.

2: Custom LLM

The quality of answers from Generative AI hinges on the data that your LLMs have been trained – we'll create one that's trained on your data, use case + sector.

3: In-Situ Conversational Analytics

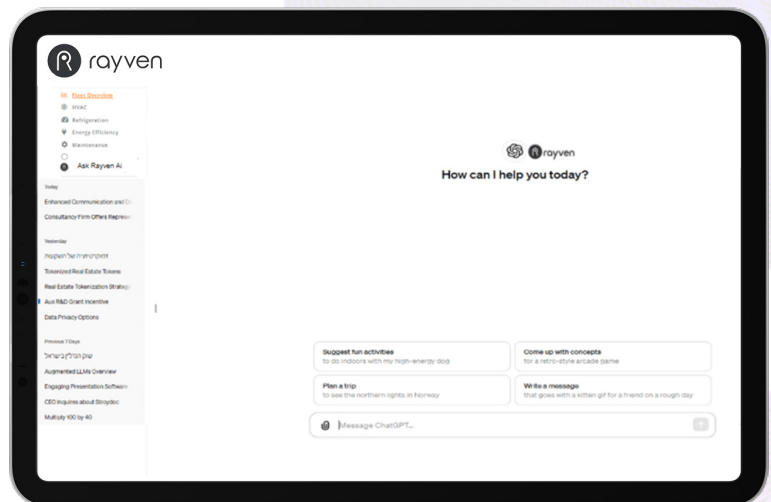
End-users need to be able to leverage LLMs where they're already operating via easy-to-use interfaces – we put them on your apps.

Step 1: Connect your data

Use our platform's integration, data management, processing + analysis capabilities to create a real-time single source of truth for your application(s).

Step 2: Train Your LLM (Or Not)

Create a Retrieval-Augmented Generation (RAG) workflow, adding your own training data to your LLM, and customising it to your business, site, objectives, and use case.



Step 3: Activate + Start Asking Questions

Simply add a conversational analytics interface to your applications / dashboards, select your trained LLM + enable your end-users to start interrogating your data and asking for insights.

What can I ask? **Anything.**

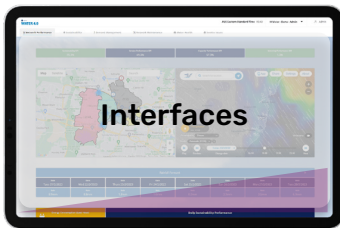
- 'How can I improve energy efficiency on-site?'
- 'Can you please generate me a visualization of that?'
- 'Which shift is the least productive and why?'
- 'How will next weeks weather affect production?'
- 'Which machines are in need of maintenance first?'
- 'If I changed X, what would the impact be on yields?'
- 'Are any team members underperforming?'
- 'Please create a workflow that alerts me to temperature change'



Build custom AI applications + IoT solutions that deliver real-time transparency and Industry 4.0 capabilities, simply.

Rayven gives you a complete toolkit to build the custom industrial applications that will transform not just particular functions, but entire operations and sectors.

Create what **you need** + scale over time:



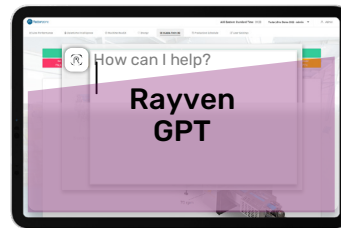
Create **interfaces** with data visualizations, dashboards + virtual controls.

- Real-time visualizations
- Interactive dashboards
- Easily configured
- Library of widgets
- Create hierarchies
- Virtual controls
- Embed anywhere



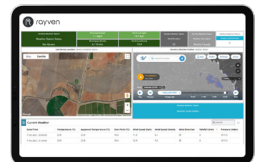
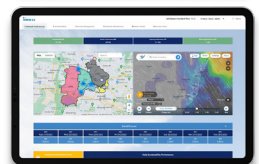
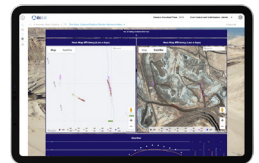
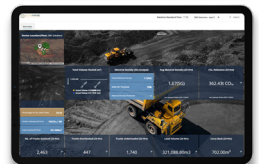
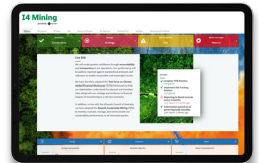
Set-up notifications + report on **anything**, whenever you need to.

- Design-your-own
- Real-time + set triggers
- Visual indicators + reports
- Threshold detection
- 1-click reporting
- Email + SMS
- PDF + CSV



Use Generative AI to **interrogate** real-time data + **generate** insights.

- Ask questions
- Drill into data
- Query in real-time
- Test optimisations
- Request Advice
- In-situ interface
- Easy export
- Create alerts + reports



Deliver **real-time transparency** + 1-click reporting.

Our platform comes with **40+ ready-to-go visualizations** enabling you to display information from multiple sources in interactive dashboards and explore them using a conversational analytics interface that uses a customised LLM - in the same place.

Widgets available out-of-the-box include:

Alphanumeric:

- Value
- Multi-value
- Alert
- Monitor
- Gauge
- Percentage
- Level
- Tables

Charts:

- Pie
- Line
- Bar
- Pareto
- Cartesian
- Multi-axis
- Polar
- Wind rose

Object:

- Mapping
- Images
- Ticker
- Live video stream



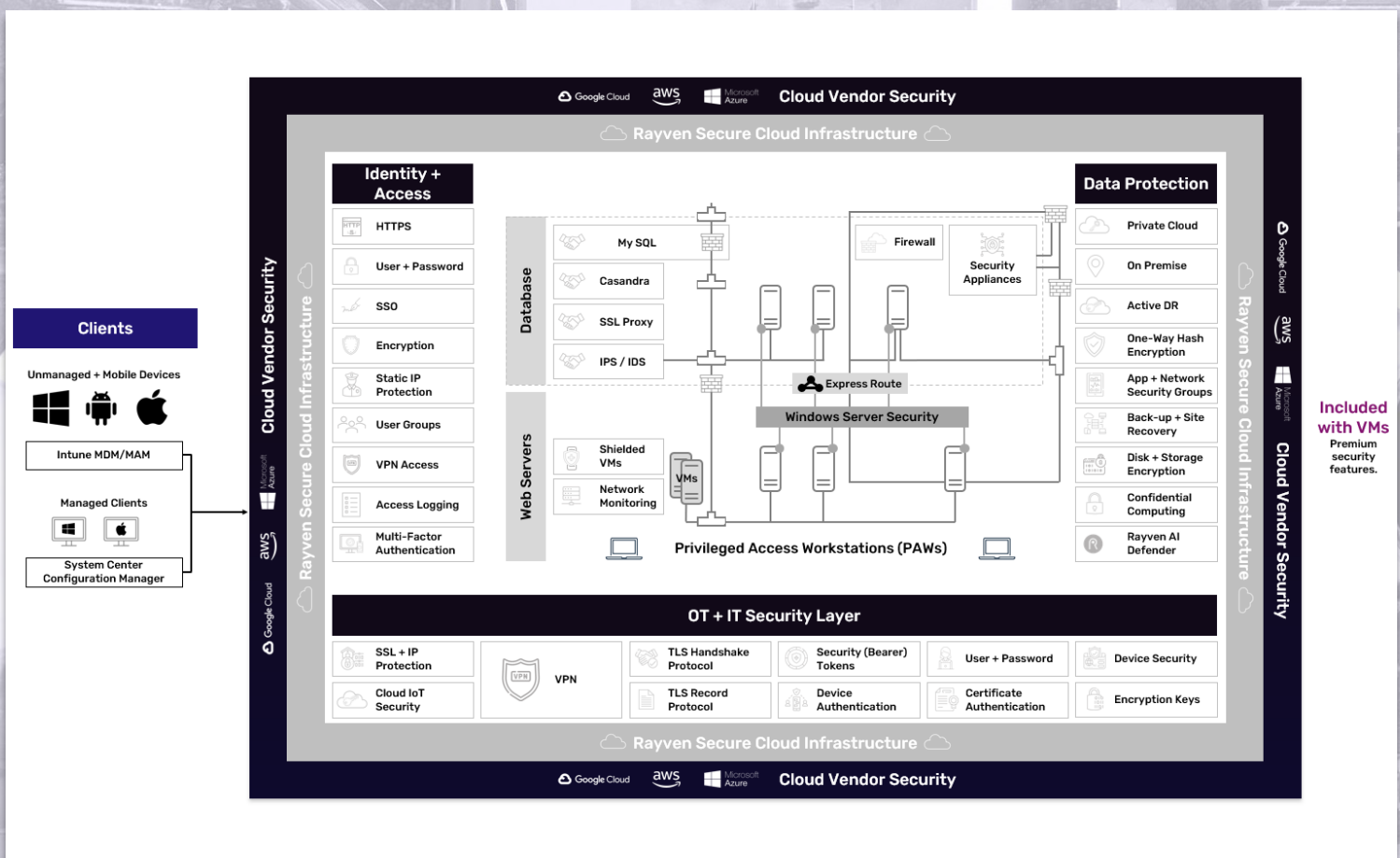
End-to-end enterprise security baked-in.

With valuable data being communicated from the cloud to the Edge, ensuring data integrity, confidentiality + mitigating cyber security risks is critical - as is ensuring usability.

Rayven leverages data encryption and our own proprietary technologies to secure data + guarantee a brilliant UX, making our platform one of the best, most secure in the world.

Security features include:

- API Authentication (user + multifactor tokens)
- Device authentication using device keys with 256-bit SSL encryption
- User data encryption at rest with triple DES + password encryption
- User access revalidation via API + dynamic updates via API
- Device security health checks.
- Hosting on Rayven's private cloud (optional)
- Encryption of data in-transit, at-rest or during use (256-bit)
- Custom security event monitoring and incident handling
- Single sign-on (SSO) (optional)
- Forced password requirements
- Data flow to device monitoring + anomaly detection
- Disaster Recovery as-standard (Rayven Private Cloud-only)



Included
with VMs
Premium
security
features.



Rayven complements your existing infrastructure, increasing the return + time-to-value of your current technologies.

The Rayven Platform and the applications built on it can be deployed anywhere.

With enterprise security built-in, our platform can be easily configured, deployed + maintained **without an IT team**, putting you in total control.

- Cloud or On-Premise Deployment
- Multitenancy Supported
- Rayven Private Cloud
- Meets Compliance Standards
- Easily Scalable
- 99.99% Uptime

Deploy Rayven anywhere to suit your business, IT + needs:

1: Your Cloud

We support deployments on major cloud providers natively.

2: On-Premise

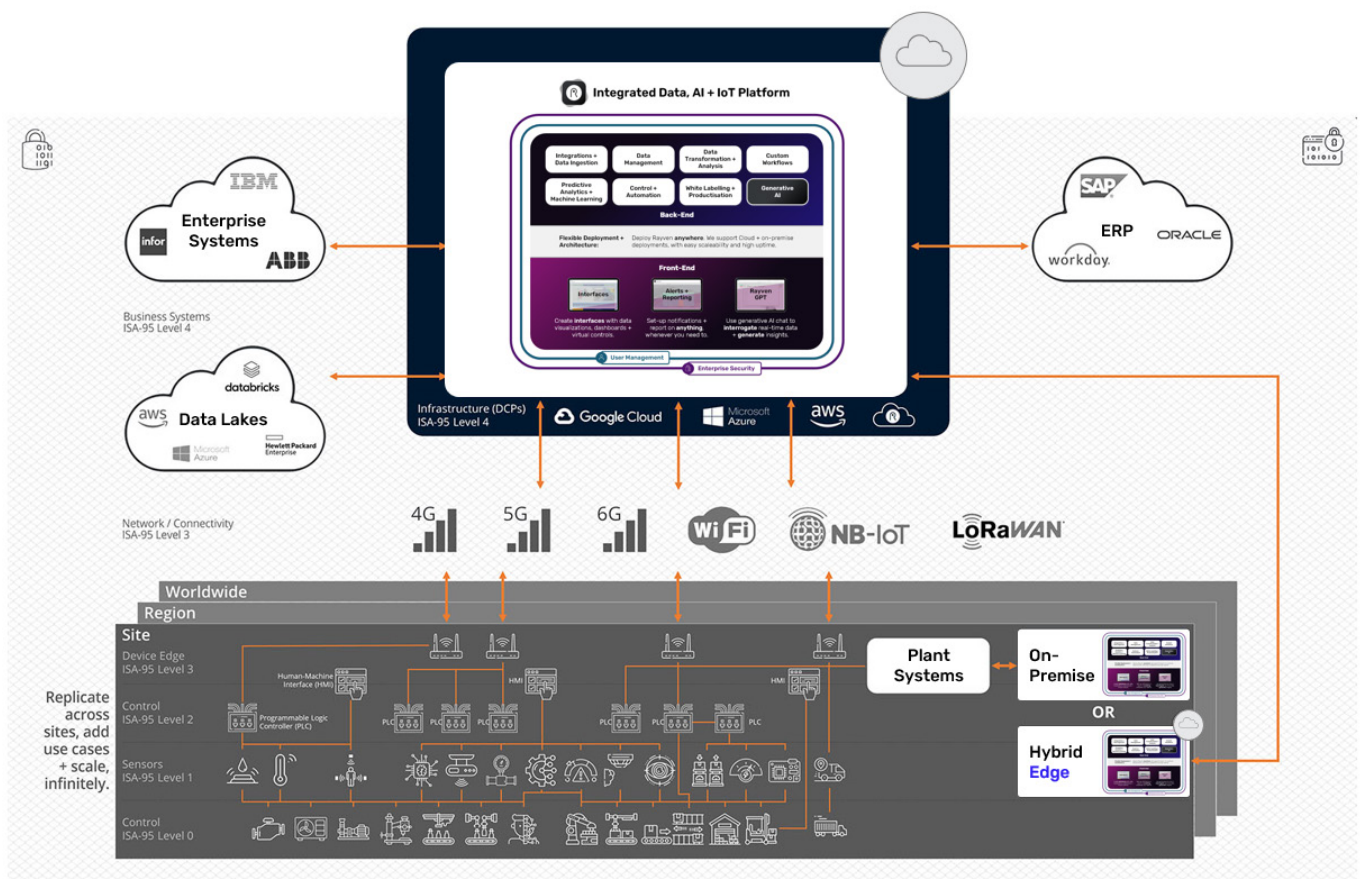
Deploy on on-premise hardware situated in your data rooms.

3: Rayven Private Cloud

Use our Private Cloud for added security.

4: Edge

Deploy at the Edge when reaction times are critical.



Our mission is to give you everything you need to **improve what you + your customers do**, without adding risk, disruption + cost.



Robust, business technology

The only all-in-one platform built for business that has everything you need in one place.



Tech agnostic with extreme interoperability

Our technology integrates with anything to create a real-time single source of truth.



SaaS-based, future-proofed tech

Rayven can be deployed anywhere, used for anything + is always being improved.



One platform, multiple use cases

Deploy multiple custom apps on a single platform to create your Industry 4.0 home.



Low cost + affordable for every business

With Rayven, you only pay for what you use, making it affordable for all.



Fast-to-deploy, infinitely scalable

Start with one device and a single app and end with millions across multiple.



Create the exact app that you need

Don't settle for off-the-shelf apps that can't account for your site, assets, goals + personnel.



Enterprise security + encryption

Keep your data secure at all points with both enterprise standard + proprietary tools.



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