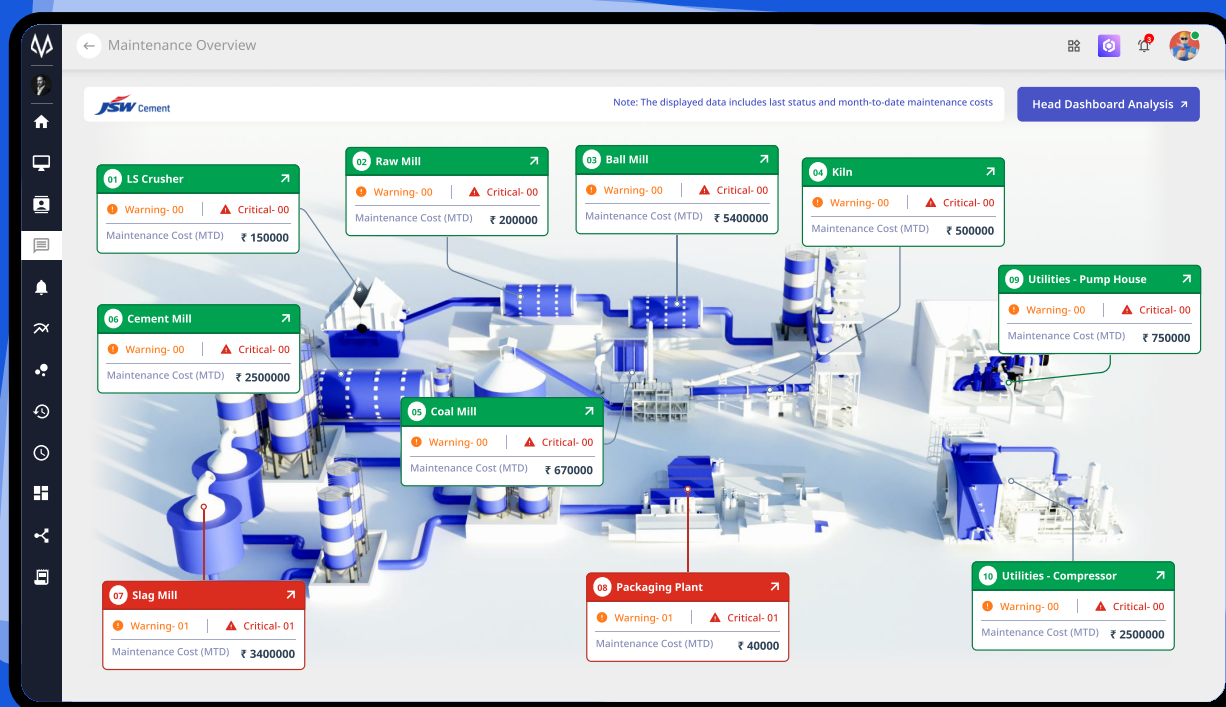


Product Booklet

# I/O Sense



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# 1. Core Capabilities

## 1.1. Device Management

Seamlessly onboard, configure, and manage IoT devices across your network with real-time updates.

## 1.2. Reporting

Generate detailed reports from raw data to actionable insights, tailored to business needs.

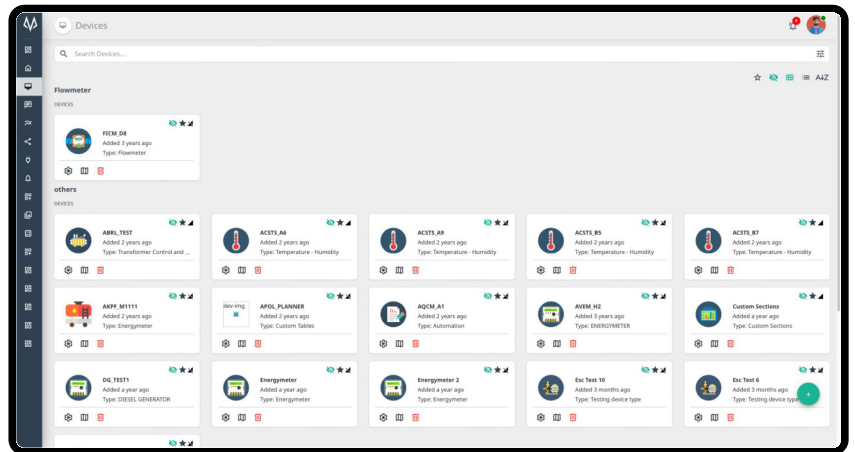


Fig. Device Page

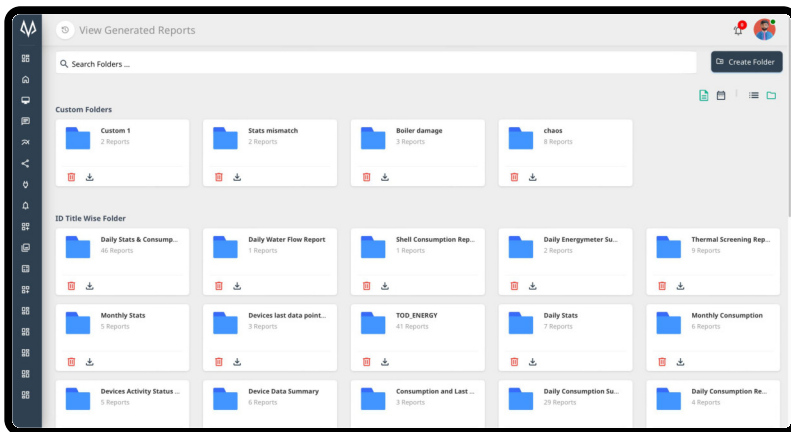


Fig. Generated Report Page

## 1.3. Events and Notification Management System

Device location overview is shown in above fig. with no. (1), in a red colour rectangle. It shows all devices' location & statuses.

## 1.4. UI Embedding

Integrate the platform's user interface into other systems for seamless data interaction and visualization

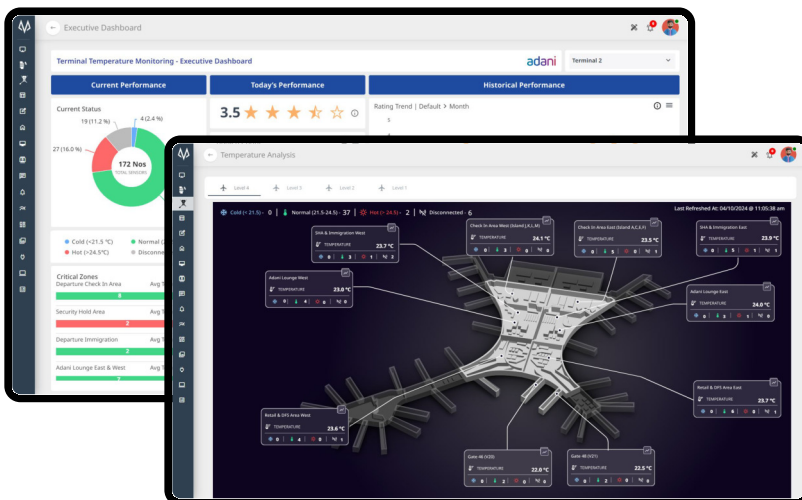


Fig. Dashboards On I/O Lens

## 1.5. Dashboarding

Create intuitive and customizable dashboards to visualize key metrics and monitor system health

## 1.6. Users and Sub-users Management

Efficiently manage roles, permissions, and access control for users and sub-users, ensuring security and compliance while allowing collaboration across different levels of your organization

## 1.7. Quota Management

Prevent system overloads by setting usage caps for devices, users, or applications, ensuring sustainable and cost-effective use of resources while maintaining performance standards

## 1.8. Alerting

Set up real-time alerts via email, SMS, or app notifications when thresholds are met, ensuring prompt action

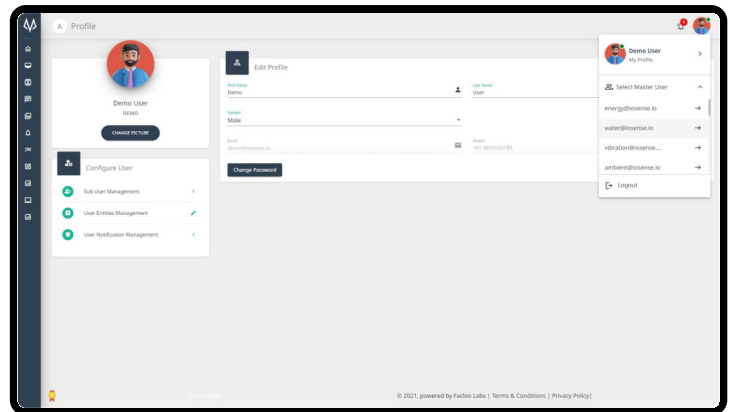


Fig. Sub User Management

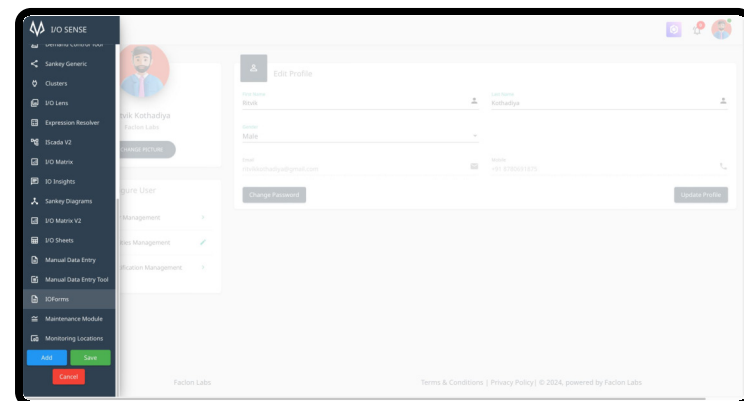


Fig. UI Configuration

## 1.9. UI Configuration

Tailor the appearance and functionality of the platform to align with your organization's brand identity and operational needs, enabling a unified user experience

## 1.10. Workflow Automation

Automate manual tasks, reduce human error, and ensure consistent results by setting up workflows that trigger actions based on predefined rules, saving time and resources

## 1.11. Data Annotations

Annotate and categorize your data directly within the platform to add additional context, improving data quality and enhancing analytics outcomes for more refined insights

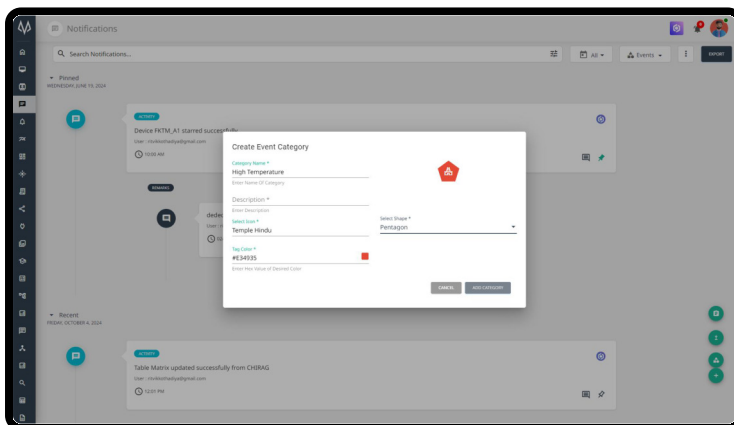


Fig. Data Annotations



## 1.12. Knowledge Graphs

Create visual representations of relationships within your data to reveal patterns and connections, providing a deeper understanding of complex datasets

## 1.13. LLM overlays and Queries

Integrate large language models for natural language processing, enabling conversational queries and contextual insights into your data, facilitating easier interpretation and analysis

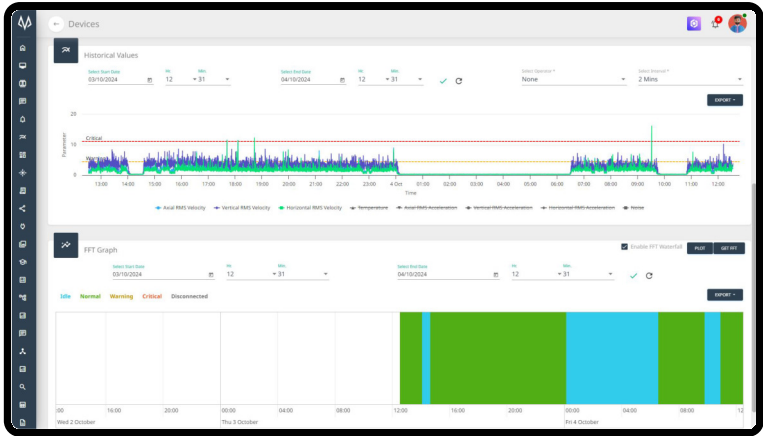


Fig. Knowledge Graph

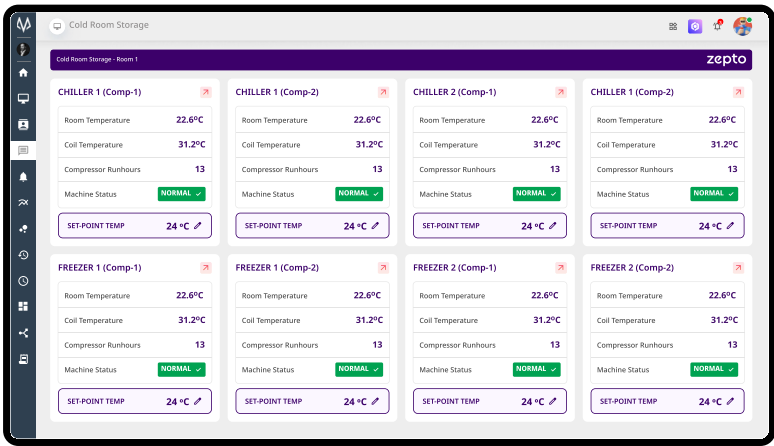


Fig. Temp. Automation

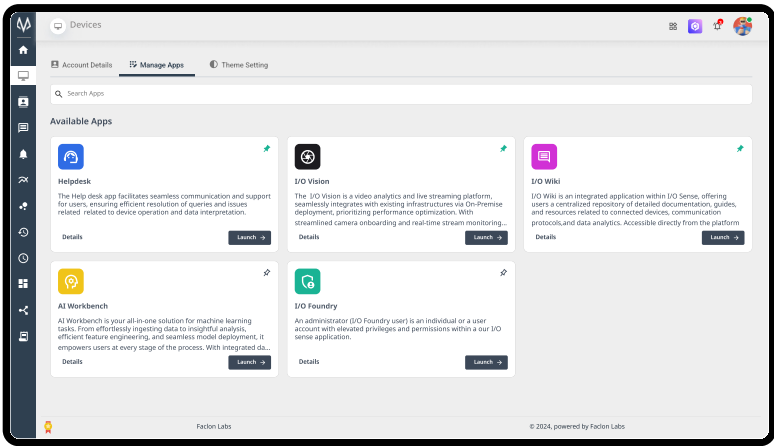


Fig. 3rd Party App Integration

## 1.14. Automation

Achieve operational efficiency through advanced automation, minimizing the need for manual intervention, and ensuring that routine processes are executed flawlessly

## 1.15. Synthetic Data Management

Develop and use synthetic data for model testing, ensuring privacy and data security, while improving AI model training without exposing sensitive information

## 1.16. API Integration

Unlock the full potential of your ecosystem by integrating I/O Sense with other business-critical systems, allowing for smooth data exchange and process automation across platforms

## 2. No Code Creatives Tools

### 2.1. I/O lens

A no-code tool for creating interactive, visual dashboards. Easily turn data into insights with drag-and-drop functionality, simplifying real-time monitoring and reporting

### 2.2. Custom Dashboard

Design interactive, real-time dashboards that can be tailored to specific needs, providing immediate access to critical metrics and making data-driven decisions easier

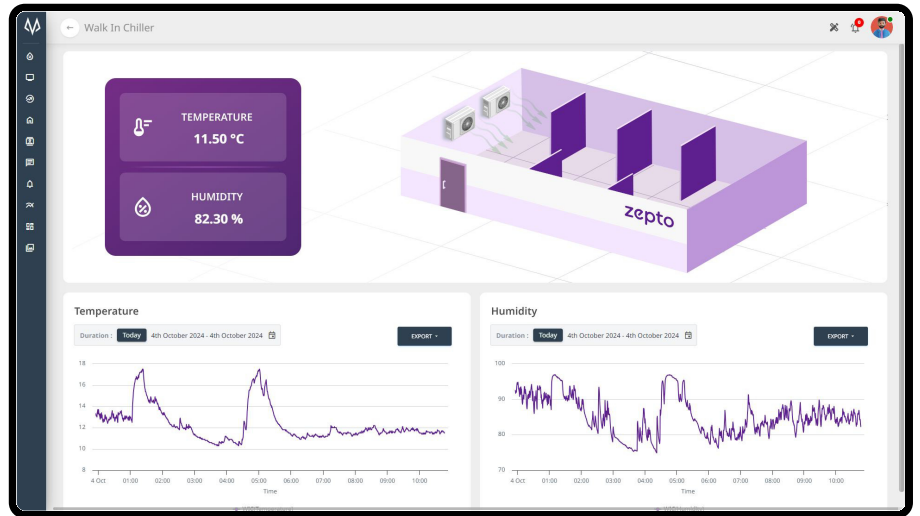


Fig. Dashboard Created on I/O lens

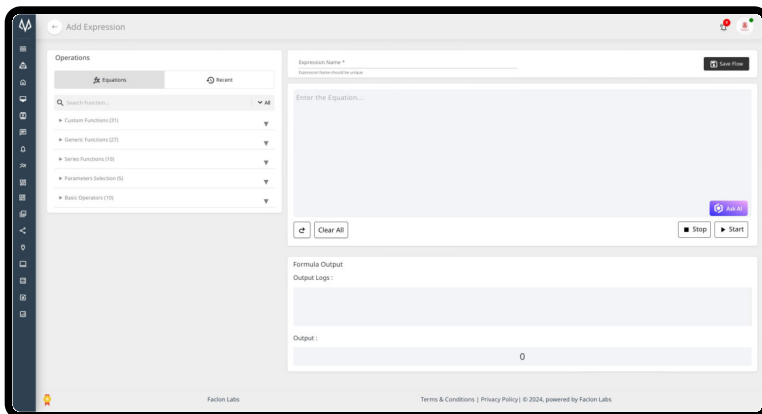


Fig. Expression Resolver

### 2.3. I/O Forms

A no-code tool for creating custom forms. Easily design and deploy forms without coding, streamlining data collection and user input

### 2.4. Expression Resolver

A tool that allows users to create and test custom expressions, making it easier to automate and streamline complex logic without coding

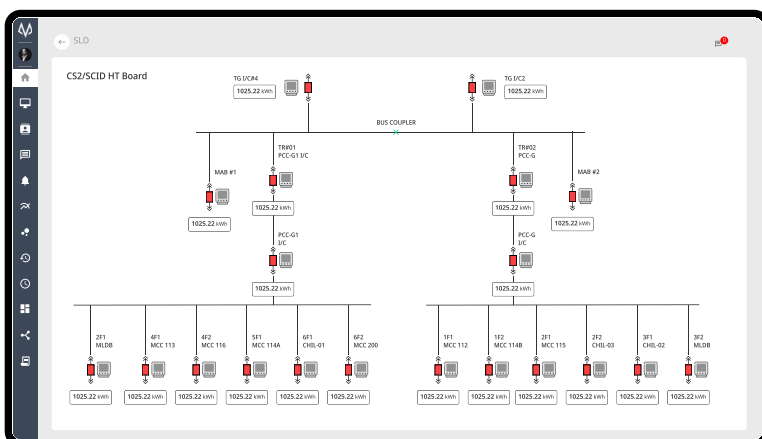


Fig. Single Line Diagram

### 2.5. I/O Matrix

A tool for visualizing and comparing large datasets with the ability to drill down into each level, offering detailed insights and facilitating in-depth data analysis

### 2.6. Single Line Diagram

Create clear and accurate electrical distribution diagrams with minimal effort, simplifying the design and documentation of electrical systems

# 3. Solution Based Products

## 3.1. Vibration Monitoring

Implement continuous vibration monitoring of critical assets, detecting imbalances or wear before they lead to costly breakdowns or downtime

## 3.2. OEE (Overall Equipment Effectiveness)

Measure and improve the efficiency of your production processes with comprehensive OEE metrics, tracking availability, performance, and quality

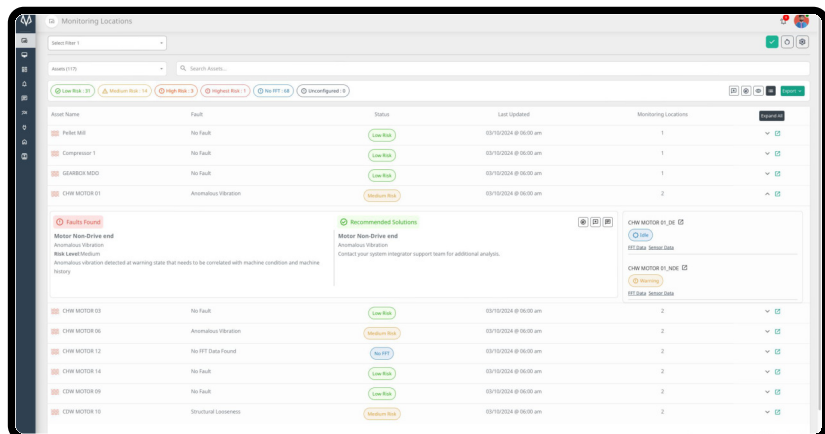


Fig. Vibration Monitoring

## 3.3. Steam Trap Monitoring

Leverage real-time monitoring of steam traps to identify inefficiencies, leaks, or failures, ensuring optimal energy usage and reducing operational costs

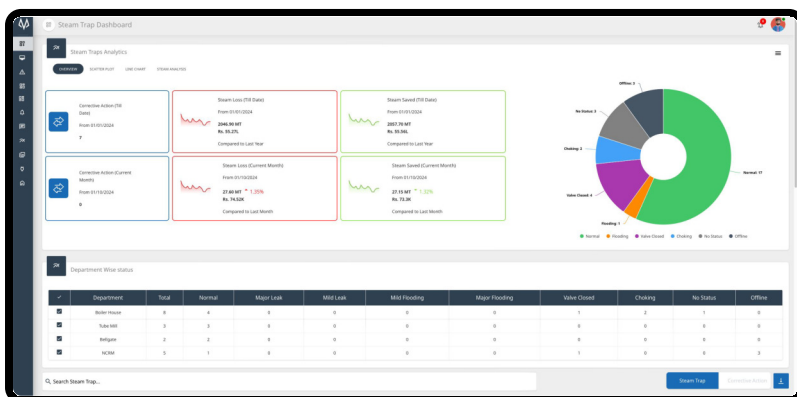


Fig. Steam Trap Monitoring

## 3.4. Busbar Monitoring

Keep electrical busbars functioning at peak performance by tracking critical parameters such as current, temperature, and voltage, enabling predictive maintenance and avoiding disruptions

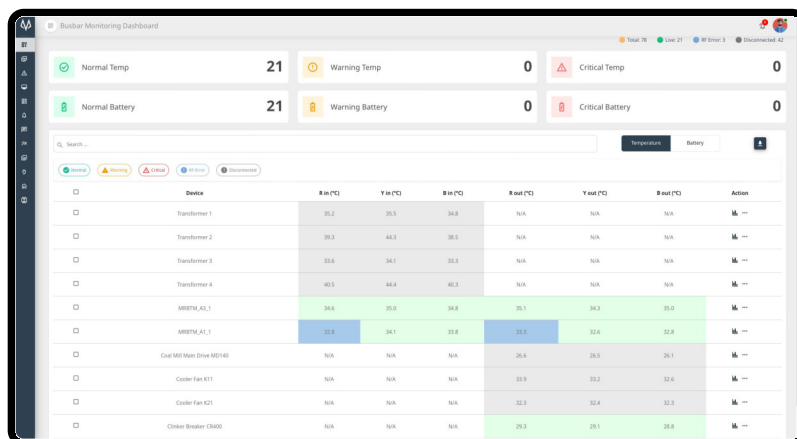


Fig. Busbar Monitoring

## 3.5. Temperature Monitoring

Maintain ideal environmental conditions for sensitive equipment or goods by monitoring temperature fluctuations, ensuring safety and compliance with industry standards

## 4. Admin Tools

### 4.1. Organisation and sub-organization

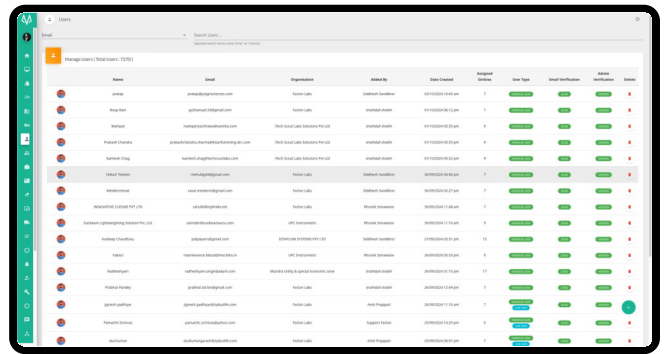
Effectively manage the structure of your enterprise, allowing for seamless administration of organizations, sub-organizations, and their respective data silos

### 4.2. Multi-tenancy and Client Companies

Scale your operations by supporting multiple clients within the same instance of the platform, securely segregating data and resources for each client

### 4.3. User Management

Streamline user onboarding with role-based access controls, ensuring security and flexibility



| Name            | Email                       | Organization | Added By   | Date Created        | Assigned Roles | User Type   | Email Verification | Status |
|-----------------|-----------------------------|--------------|------------|---------------------|----------------|-------------|--------------------|--------|
| John Doe        | john.doe@company.com        | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Jane Smith      | jane.smith@company.com      | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Mike Chen       | mike.chen@company.com       | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Robert Brown    | robert.brown@company.com    | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| David Wilson    | david.wilson@company.com    | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Emily Davis     | emily.davis@company.com     | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| James Taylor    | james.taylor@company.com    | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Sarah Johnson   | sarah.johnson@company.com   | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Michael Lee     | michael.lee@company.com     | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Olivia White    | olivia.white@company.com    | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Benjamin King   | benjamin.king@company.com   | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Charlotte Green | charlotte.green@company.com | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| William Black   | william.black@company.com   | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Ava Grey        | ava.grey@company.com        | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Isabella Blue   | isabella.blue@company.com   | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Lucas Brown     | lucas.brown@company.com     | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Mia Green       | mia.green@company.com       | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Noah Black      | noah.black@company.com      | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Olivia Grey     | olivia.grey@company.com     | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Robert Blue     | robert.blue@company.com     | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Sophia Brown    | sophia.brown@company.com    | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Thomas Green    | thomas.green@company.com    | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Victoria Black  | victoria.black@company.com  | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| William Grey    | william.grey@company.com    | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Xavier Blue     | xavier.blue@company.com     | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Yara Brown      | yara.brown@company.com      | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |
| Zoe Green       | zoe.green@company.com       | Company Ltd. | Admin User | 2023-01-01 10:00 AM | Admin          | Super Admin | Verified           | Active |

Fig. User Management on Admin

### 4.4. App store

Access ready-made apps to enhance IoT operations, including AI-driven analytics and automation tools

- 1. Embedded I/O Sense Apps:** Utilize pre-built apps for faster implementation and quicker results.
- 2. AI Apps / ModelOps:** Deploy, manage, and monitor machine learning models easily with built-in AI tools.

### 4.5. Rebranding

Customize the platform to reflect your company's branding for a cohesive user experience

### 4.6. Device Management

Centrally manage devices, monitor performance, and handle updates in real-time

### 4.7. Quota Management

Set resource limits to prevent system overload and ensure efficient usage

### 4.8. VMs and Images Management

Efficiently manage virtual machines and system images for scalable compute and storage

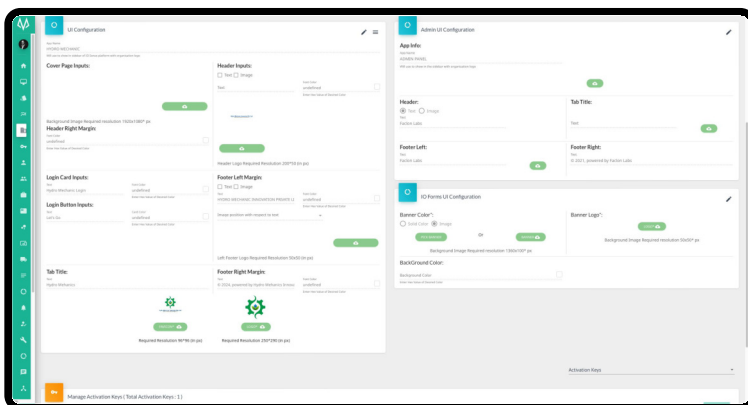


Fig. Rebranding On Admin

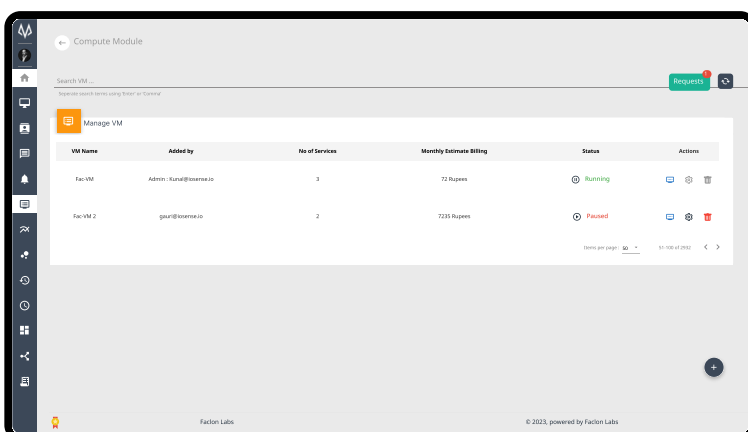


Fig. VM Management

# 5. AI Tools

## 5.1. Bruce AI

An AI-driven decision-making tool that helps organizations automate processes, predict outcomes, and optimize performance

## 5.2. Compute Modules

Modular computing resources optimized for AI model training and inference, providing scalable and efficient processing power for demanding tasks

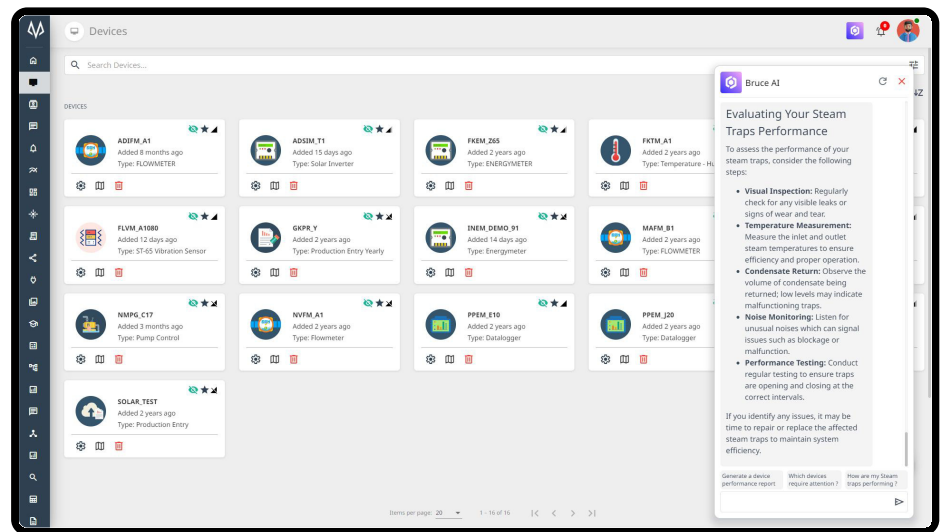


Fig. Bruce AI

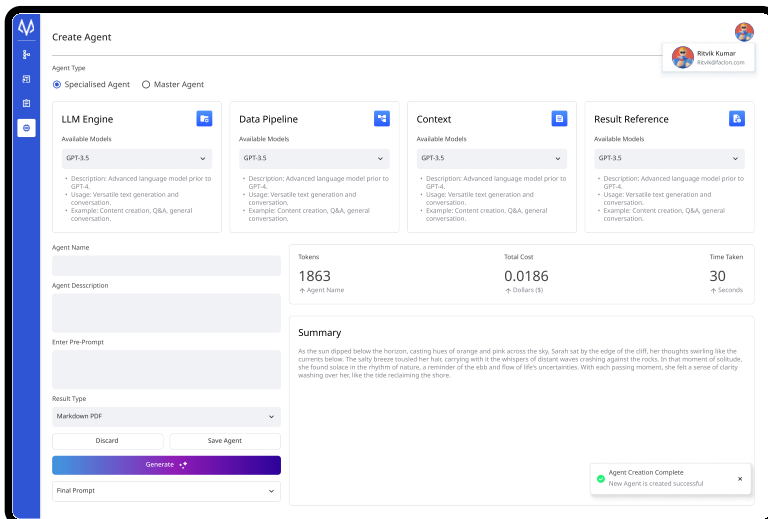


Fig. AI Agent

## 5.3. AI Workbench

A comprehensive environment designed for AI model development, training, and deployment

## 5.4. AI Agents

Deploy autonomous AI agents to carry out specific tasks such as data analysis, process optimization, or decision-making, operating based on predefined goals

## 5.5. MLOps

Integrate MLOps capabilities to streamline the deployment, monitoring, and iteration of machine learning models, ensuring continuous improvement and scalability

## 5.6. Vision

Implement advanced AI vision technologies for object detection, image analysis, and real-time visual monitoring across a wide range of applications

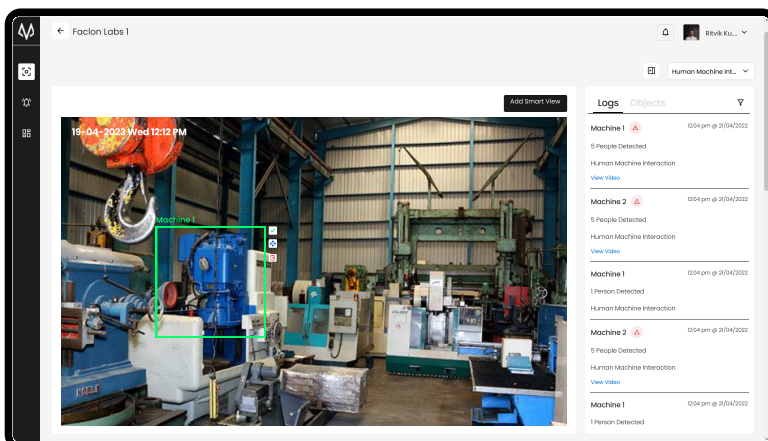


Fig. Vision

## 6. Enabled Services

### 6.1. AI Simulation

Run detailed simulations of AI models before deployment to test scenarios, fine-tune performance, and reduce risks

### 6.2. AI Engineering (AlaaS)

Offer AI as a Service, enabling clients to quickly access and deploy AI-driven solutions tailored to their specific use cases

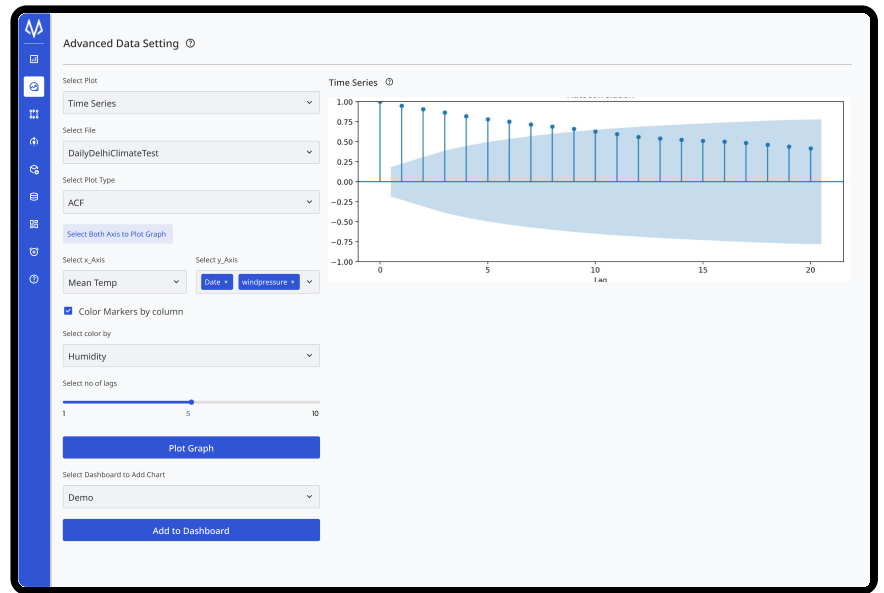


Fig. AI Simulation

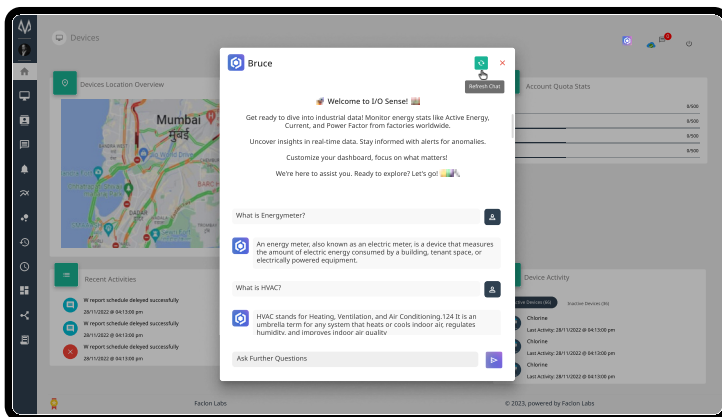


Fig. Edge AI

### 6.3. EdgeAI

Bring the power of AI to edge devices, allowing real-time data processing and decision-making where it matters most – at the data source

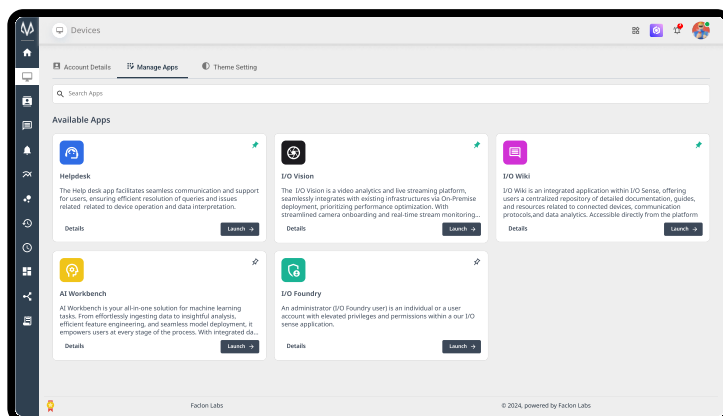


Fig. Application Co-development

### 6.4. Application Co-development

Collaborate with expert developers to co-create custom applications, combining your domain knowledge with advanced development resources for tailored solutions

# Notes



**We appreciate your time and attention during today's product demo. We hope you gained valuable insights into how our solutions can enhance customer operations.**

If you have any further questions or would like to explore specific features in more detail, please feel free to reach out to us. We look forward to working together and driving success with you.

**Let's build the future, together!**

**- Faclon Labs**



[www.faclon.com](http://www.faclon.com)