



Forged in persistence, fueled by brilliance & perfected through detail, SAAR is more than a company. SAAR embodies the art of turning vision into excellence & rises as a global force redefining how technology serves future. SAAR System Solutions is a technology solutions provider specializing in **IoT-based smart systems** and **full-stack software development**.

At SAAR, innovation is not an afterthought—it is our foundation. Our **R&D-driven approach** ensures that every solution is future-ready, adaptive, and built on the latest global technologies.

We entered the market with **Building Management Systems** designed with **digital twin technology** and real-time monitoring. These systems allow building owners and operators to view, manage, and optimize their facilities in a single, connected platform.

Our full-stack development services includes designing and building custom applications, from user-friendly front-end interfaces to secure and scalable back-end systems. **Our services span the entire development lifecycle**—from requirement analysis and design to deployment and ongoing support. Our approach is practical and collaborative. We work closely with our clients to understand their goals and challenges, then **deliver solutions that fit their needs** today and are **ready to grow with them in the future**.

At SAAR System Solutions, we believe technology should work for people not the other way around. **Our mission is simple yet ambitious**—to create systems and software that are reliable, easy to use, and built for lasting value, to become **a global partner of choice for organizations** seeking intelligent, reliable, and future-ready technology solutions.



IMAGINE . IDEATE . INNOVATE

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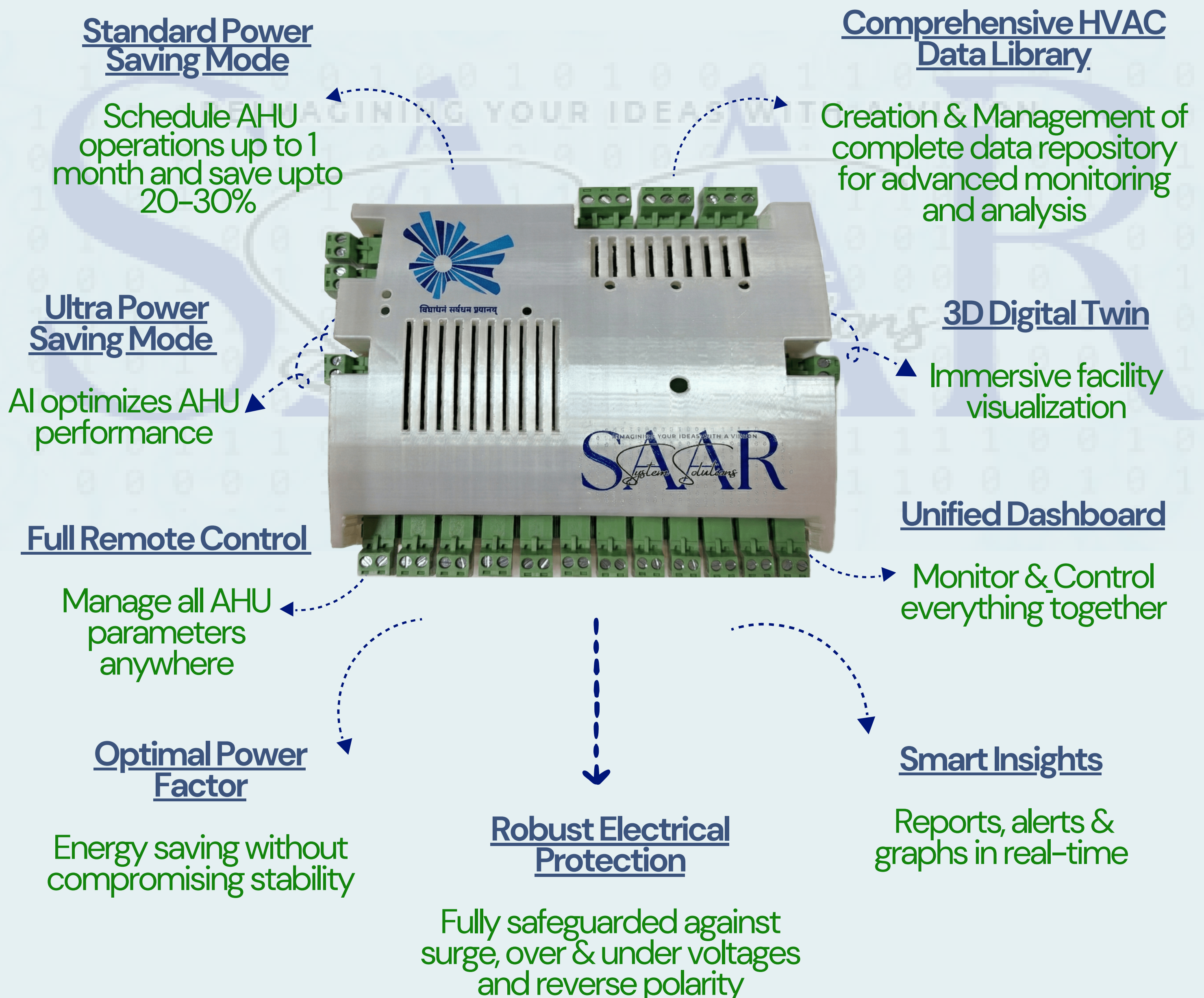
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OUR PRODUCT

AI-BASED BUILDING MANAGEMENT SYSTEM

Features



KEY HIGHLIGHTS

01. Complete Control

Remote, precise management of AHUs—On/Off, VFD speeds, valve levels and temperature set points.

02. Intelligent Energy Management

Dual power-saving modes deliver up to 20% energy savings without compromising comfort.

03. 3D Digital Twin

Interactive visualization of facilities with live data for advanced monitoring and management.

04. Proven Results

Field-tested at IIT Jammu, consistent saving ~20% energy

05. Cloud Connectivity

Secure access, monitoring & analytics from anywhere—via mobile, tablet, or desktop.

06. Data Insights

Analytics and reporting convert raw data into actionable decisions.

07. Predictive Maintenance

Detects faults early, reduces downtime, and extends equipment life.

08. User-Centric Design

Simple dashboards for easy operation by users of all skill levels.

09. Scalable Architecture

Expandable from single buildings to multi-facility campuses.

10. Sustainable Impact

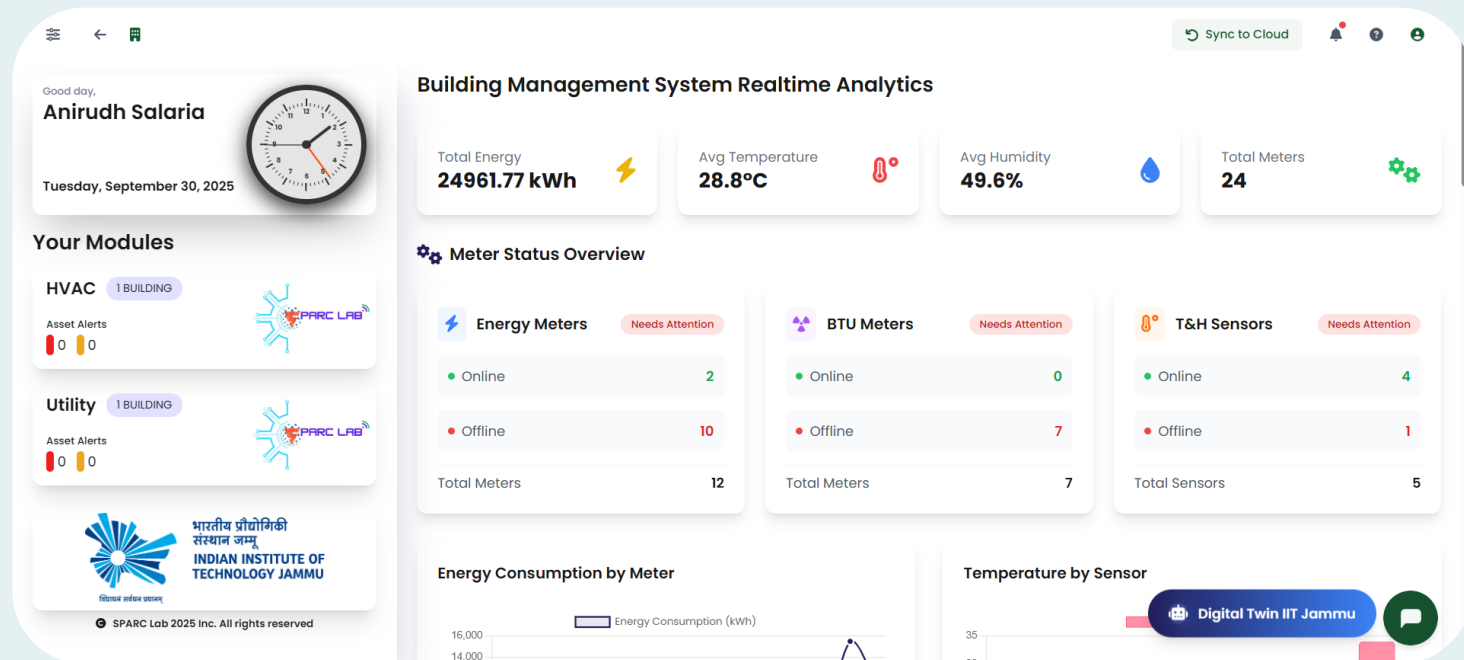
Optimizes energy use, supports green standards, and reduces carbon footprint.

11. Seamless Integration

Works with existing systems and third-party platforms without disruption.

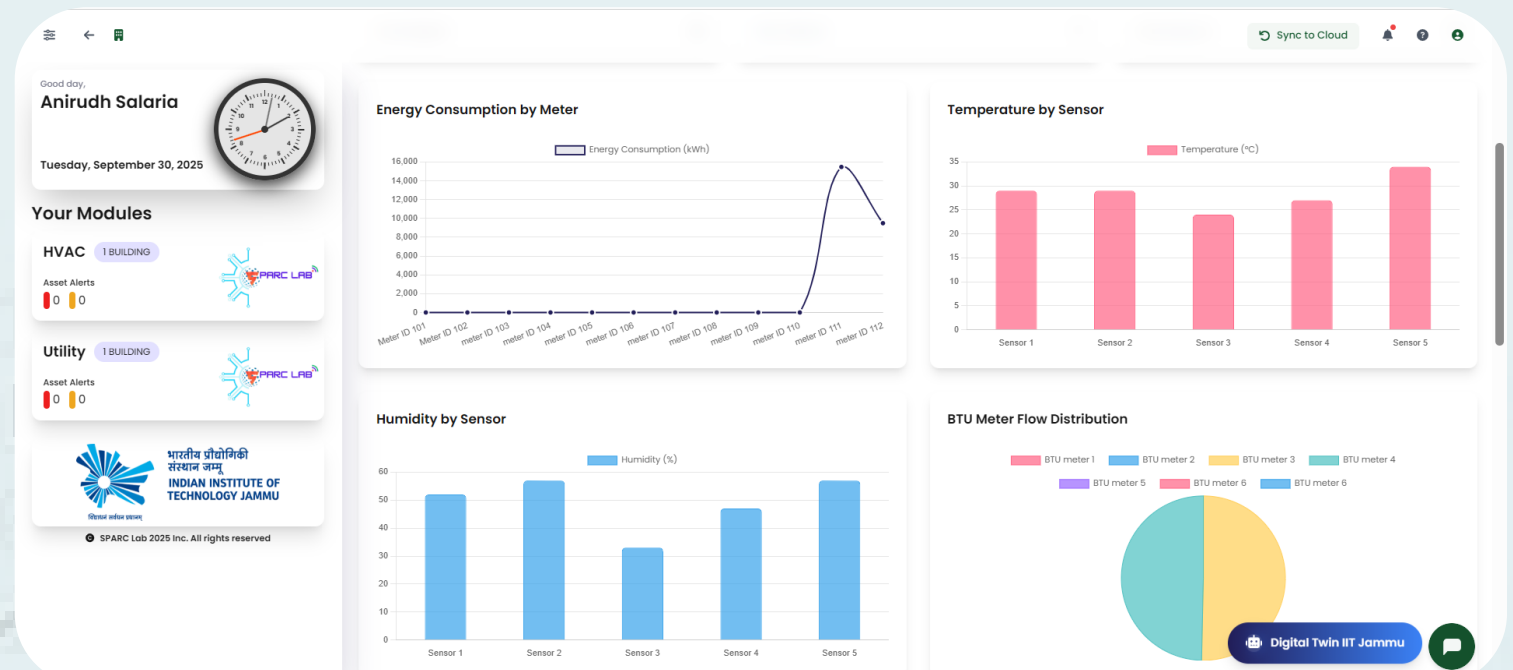


SEAMLESS CONTROL AND MONITORING ACROSS THE ENTIRE FACILITY



Stay on top of building performance 24/7 with live data updates and an integrated AI chatbot for instant troubleshooting guidance

- Realtime and past data graph generation
- Realtime monitoring and control
- Past data report generation (PDF+CSV+API Format)



Visualize building operations with interactive graphs, compare live readings with historical trends to detect anomalies, optimize energy usage, and make smarter decisions

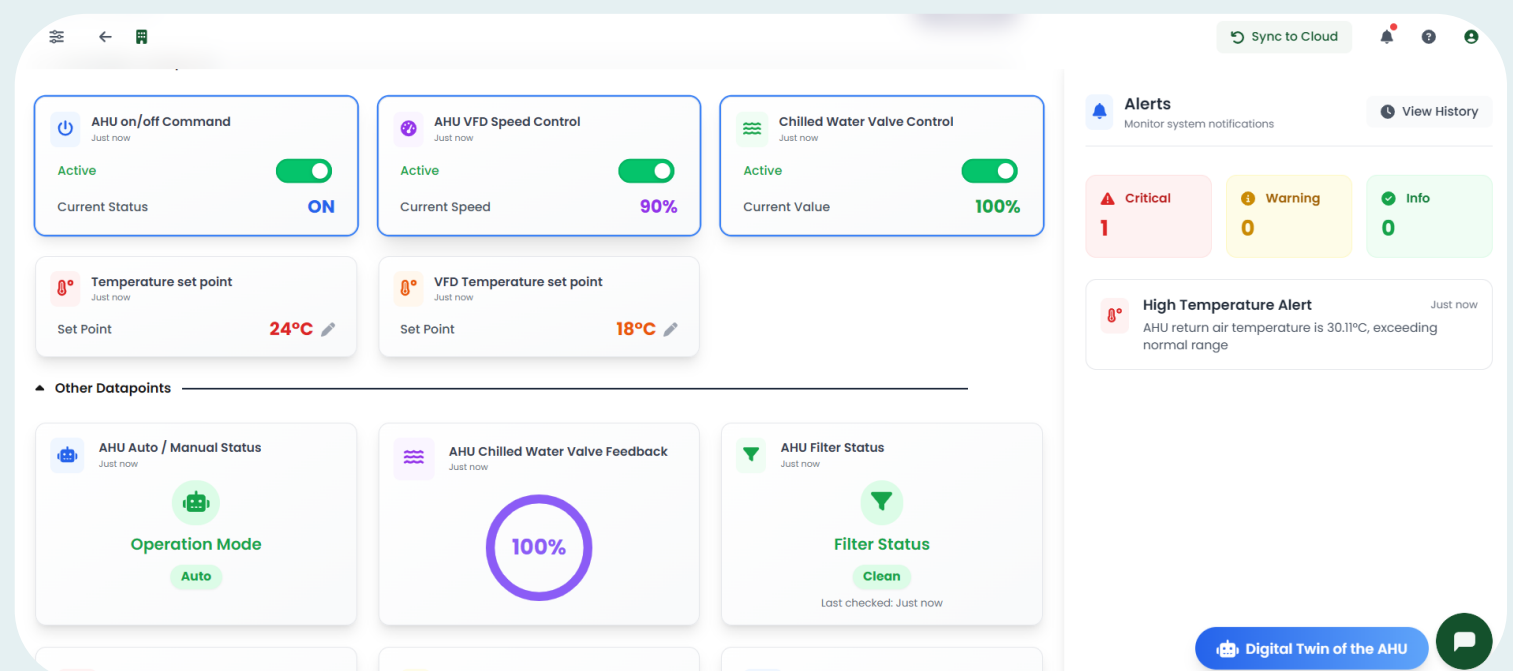


Experience a virtual replica of your building that mirrors real-world conditions that offers immersive insights into system behavior, enables predictive maintenance & better planning

- Realtime alerts via SMS and Email
- Complete control and monitoring of AHUs
- Scheduling of AHU operations upto 1 month

- Realtime analytics
- Realtime monitoring of energy saving analytics
- User-friendly interface

- Digital twin for a better visualization
- Desktop and mobile support
- AI chatbot for an easier troubleshooting



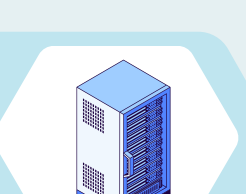
A user-friendly dashboard to monitor, adjust, and control building systems in real time. Simplified navigation ensures fast decision-making without technical complexity

SAAR SYSTEM SOLUTIONS

AI-BASED BUILDING MANAGEMENT SYSTEM

At SAAR, we don't just manage buildings—we make them smarter. Our Smart BMS goes beyond monitoring, offering AI-driven energy optimization, and seamless remote control. Designed for performance and sustainability, it empowers businesses to cut costs, boost comfort, and take complete command of their buildings—anytime, anywhere.



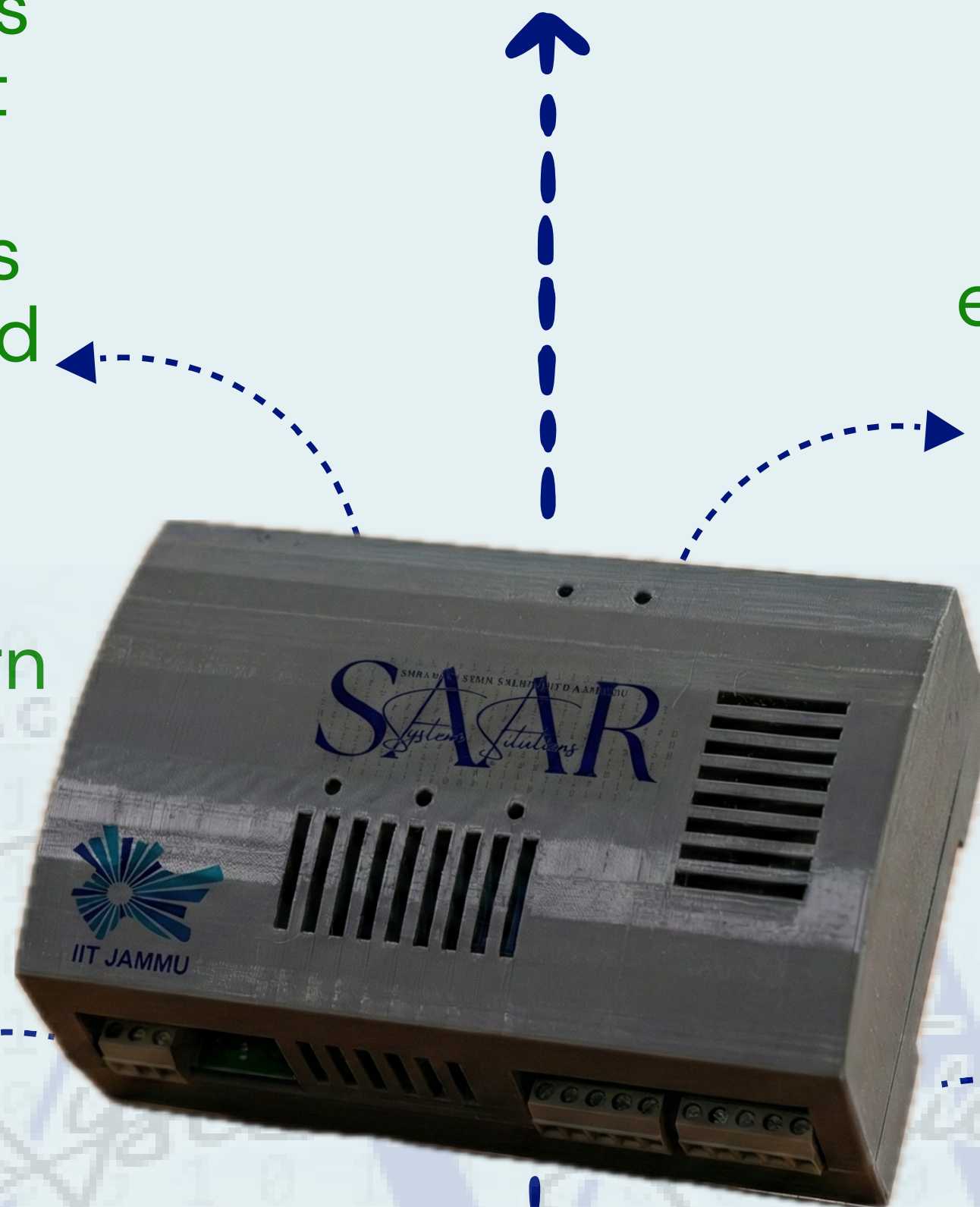
		Vendor 1	Vendor 2	Vendor 3
Dual Power Saving Modes (Standard + AI Ultra Mode) 	✓	✗	✗	✗
Robust Electrical Protection 	✓	✗	PARTIAL	✗
Optimal Power Factor 	✓	✗	✗	✗
3D Digital Twin Visualization 	✓	✗	PARTIAL	✗
Comprehensive, Complete HVAC Data Library 	✓	✗	ENTERPRISE ONLY	✗
Full Remote AHU Control 	✓	LIMITED	LIMITED	PARTIAL
Smart Dashboard 	✓	PARTIAL	COMPLEX UI	✗
Smart Insights 	✓	✗	SUBSCRIPTION BASED	PARTIAL
Scalable Architecture 	✓	✗	COSTLY EXPANSIONS	✗

Universal Multithreaded Gateway Bridge

Acts as a high-performance bridge that simultaneously manages multiple field devices and protocols, ensuring low-latency communication in complex industrial networks.

Uniquely supports two independent RS485 masters, allowing seamless data exchange and interoperability between heterogeneous legacy and modern systems.

Equipped with two electrically isolated RS485 ports, enabling reliable and noise-immune communication in harsh industrial environments.



Electrical isolation, multithreaded processing, and robust power support ensure continuous operation, improved system resilience, and reduced downtime.

Enables rapid integration with existing HVAC and industrial assets without system redesign or equipment replacement.

Supports 12 V DC, 24 V DC, and 220 V AC operation, providing flexibility for deployment across diverse industrial and building infrastructures.