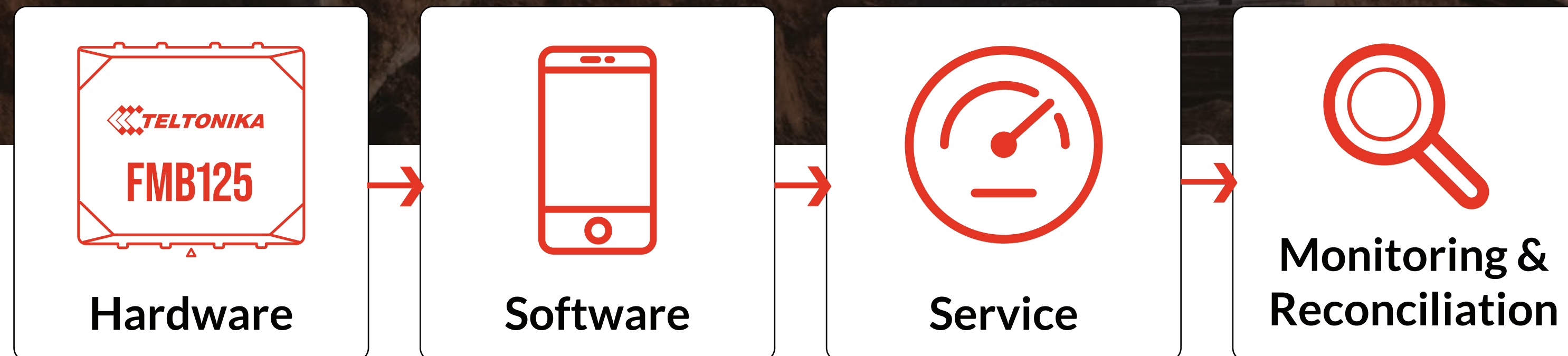


æTHER

The Digitization Platform For Your Plant & Machinery

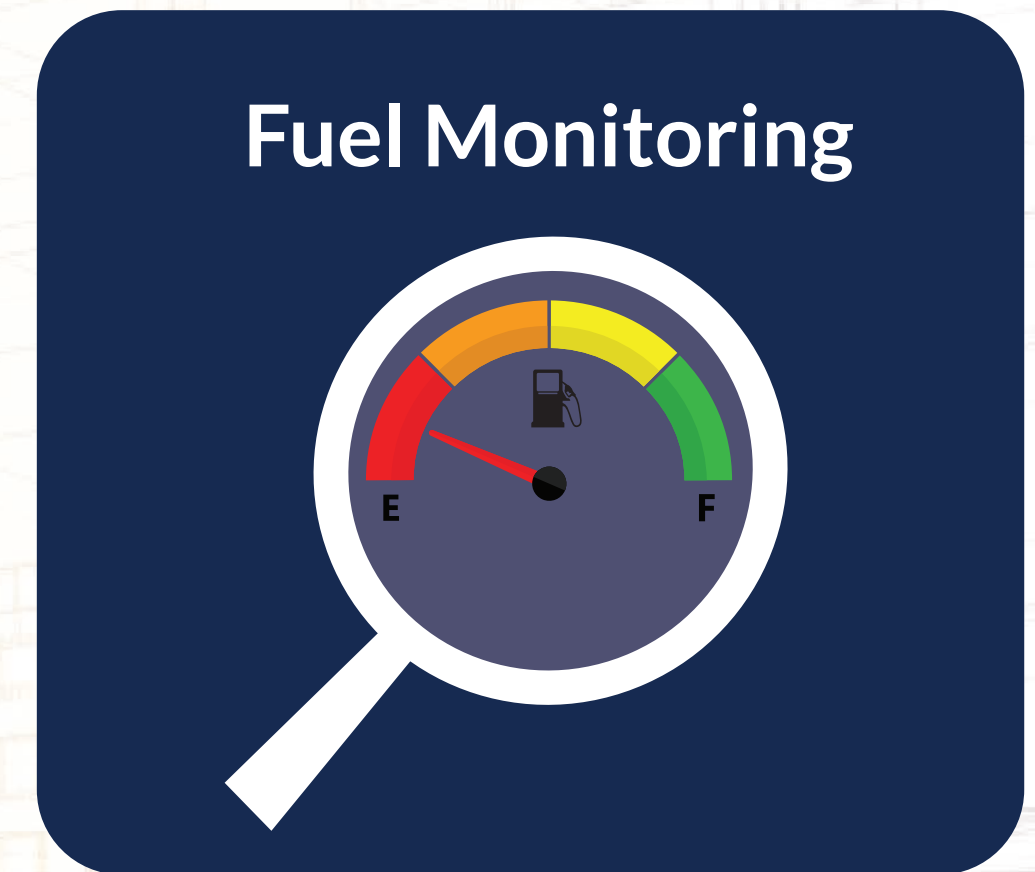
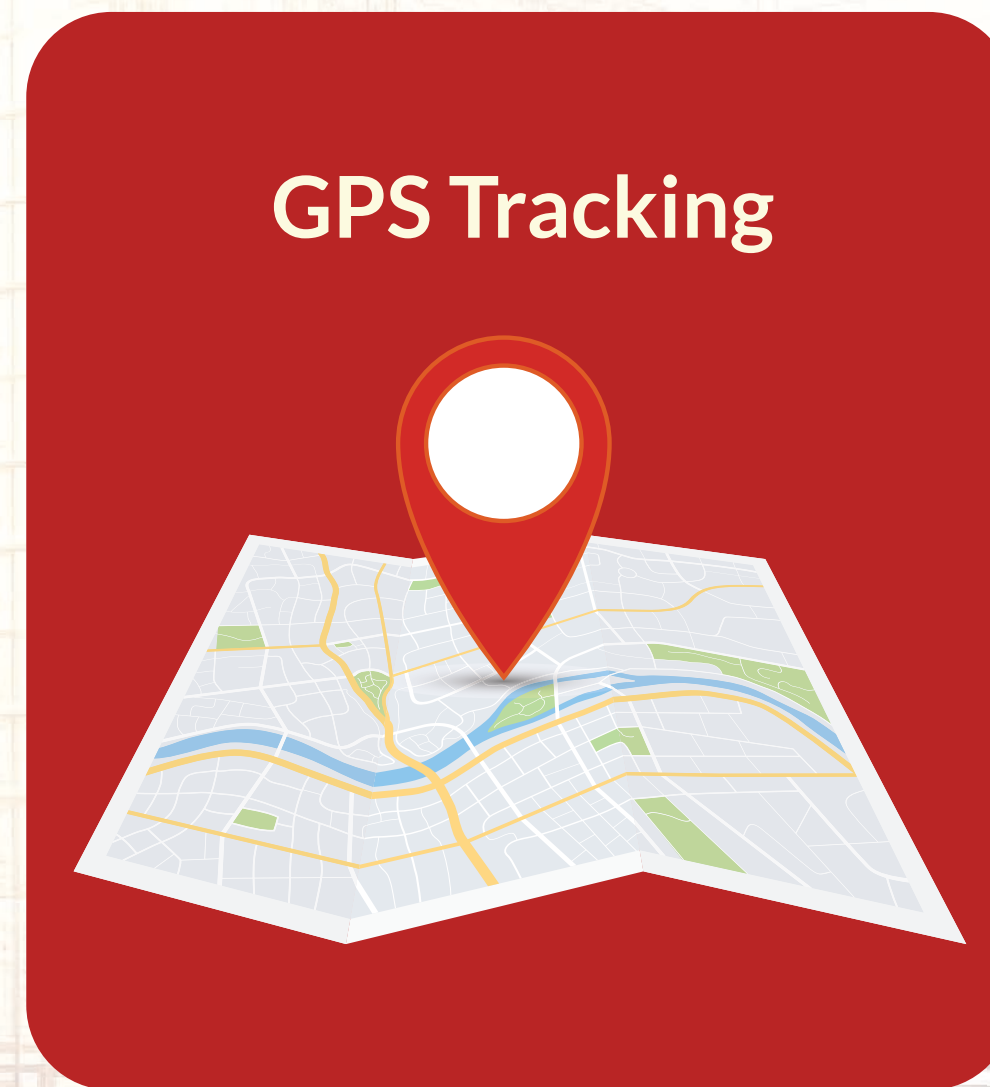


What We do

We at Aether, empower infrastructure-focused businesses to digitally transform their fleet and operations through intelligent fleet and telematics solutions.

Specializing in Commercial Construction Equipment, we provide real-time visibility into asset performance, fuel usage, location tracking, and equipment health. Our platform enables smarter decision-making, reduces downtime, and optimizes asset utilization across multiple job sites.

Whether you're managing backhoes, excavators, dumpers, or heavy-duty vehicles, we help streamline operations, reduce operational costs, and enhance project delivery.



Our Objectives

Stop Fuel Pilferage



We implement monitoring systems to detect and report fuel draining and refueling, so that you can debit accordingly or take some strict action.

Data Misrepresentation

General parameters		Movement and operation		Fuel (main tank)			
Vehicle name	Date	Mileage, km	Engine operation time, h:mm:ss (% of the report period)	Actual consumption, l	Refueling volume, l	Draining volume, l	Act
	04.02.2025	28.68	8:43:09 (36.3)	53.6	0.0	0.0	0.54
	05.02.2025	4.24	3:55:26 (16.3)	15.9	0.0	0.0	0.27
	06.02.2025	1.23	6:24:39 (26.7)	24.8	0.0	0.0	0.05
	07.02.2025	29.15	11:27:54 (47.8)	63.6	0.0	0.0	0.46
	08.02.2025	27.63	9:32:47 (39.8)	59.1	149.8	0.0	0.47
	09.02.2025	27.41	9:39:06 (40.2)	55.4	0.0	0.0	0.49
	10.02.2025	5.77	7:29:59 (31.2)	34.0	0.0	0.0	0.17
	11.02.2025	6.17	6:47:26 (28.3)	30.0	195.6	0.0	0.21
	12.02.2025	5.65	10:29:39 (43.7)	42.9	0.0	0.0	0.13
	13.02.2025	2.60	14:27:10 (60.2)	60.9	0.0	0.0	0.04
	14.02.2025	3.71	8:35:08 (35.8)	36.5	0.0	0.0	0.10
	15.02.2025	7.82	9:13:05 (38.4)	44.0	196.8	0.0	0.18
	16.02.2025	5.87	2:01:17 (8.4)	13.4	0.0	0.0	0.44
	17.02.2025	5.23	5:13:08 (21.7)	24.9	0.0	0.0	0.21
	18.02.2025	26.04	8:38:22 (36.0)	51.3	0.0	0.0	0.51
	19.02.2025	0.97	9:33:00 (39.8)	38.9	0.0	0.0	0.03
	20.02.2025	3.57	9:38:31 (40.2)	42.9	0.0	0.0	0.08
	21.02.2025	26.33	5:31:19 (23.0)	40.7	197.8	0.0	0.65
	22.02.2025	25.48	7:55:19 (33.0)	47.4	0.0	0.0	0.54
	23.02.2025	6.73	11:18:22 (47.1)	45.3	0.0	0.0	0.15

Our team identifies and reports fake manipulated data in your records, ensuring correct tracking of working hours and kilometers traveled.

Optimize Asset Performance



By reconciling your data with our analytics, we enhance your equipment's efficiency, leading to increased profitability.

Conflict Resolution

01

Installation Concerns

Operator issue: Fear that installing sensors will disrupt workflow or weaken the fuel tank.

Our solution:

- Install sensors after coordinating with site P&M and when vehicle is available
- Trained service engineers ensure proper installation, no impact on tank strength

02

Hardware Tampering

Issue: Attempts to tamper with sensors to bypass the system.

Our solution:

- Integrated tampering alerts in the system.
- AE-BI Data Analyst team conveys issue & raises SR for tampered assets
- Service engineer fixes & reports to site/P&M

03

Data Accuracy Concerns

Issue: Disputes when fuel-draining reports are denied as hardware error.

Our solution:

- Cross-check with live operations and past data records.
- Work directly with site teams for testing and verification.

04

Building Trust

- Transparent reporting and quick resolution process.
- Continuous coordination with site staff.
- Ensuring both operator convenience and reliable monitoring.

Policy Making (Customer)

- For repeated tampering or fuel pilferage
- Escalation and penalty system to stop misuse
- Transparent rules for billing and charges



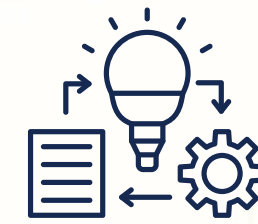
Main Challenges

- **Data Disputes:**
Users question sensor readings
- **Device-Failure Claims:**
Excuses that hardware failed



Outcomes for Fleet Owners

- 01 Better compliance with safety & maintenance
- 02 Reduced fuel loss and misuse
- 03 Clear audit trail, fewer billing disputes



Customer-Led Resolution

Step 1-3: Fuel & Tampering Controls

01

Fuel Debit: Decide billing method – either billed from Aether portal data or debit amount of drained fuel from customer bills

02

Tampering Penalties: For repeated tampering, charge up to 20% of hardware cost; full cost charged if hardware is damaged

03

Proactive Enforcement: Take action immediately when tampering or bypass is detected (not waiting for SR closure)

Step 4-5: Truth in Refueling

01

Refueling Audit: Penalties for mismatches between logs & portal data

02

Inspection Compliance: Flag missed maintenance or skipped checks

Penalty Flow

Action	Penalty / Action
Tampering - Once	Warning
Tampering - Repeated	20% of Hardware Cost
Hardware Damage	Full Hardware Charge

Improve Equipment Utilization



Tipper 10 Ton

2.5-3.5 KMPL



Backhoe Loader

3.5-4.5 LPH



Transit Mixer 6CUM

2.3-2.5 LPH



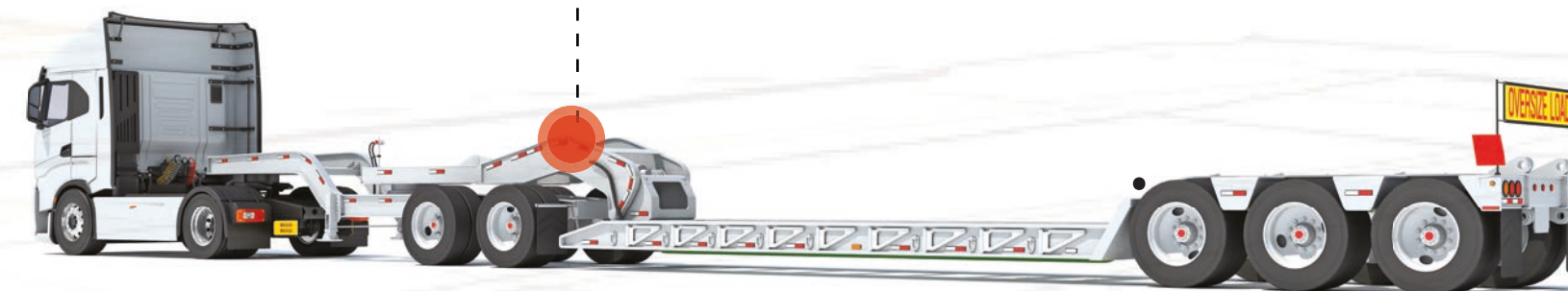
Hydra 23 Ton

2.5-3.5 LPH



Semilow bed trailer

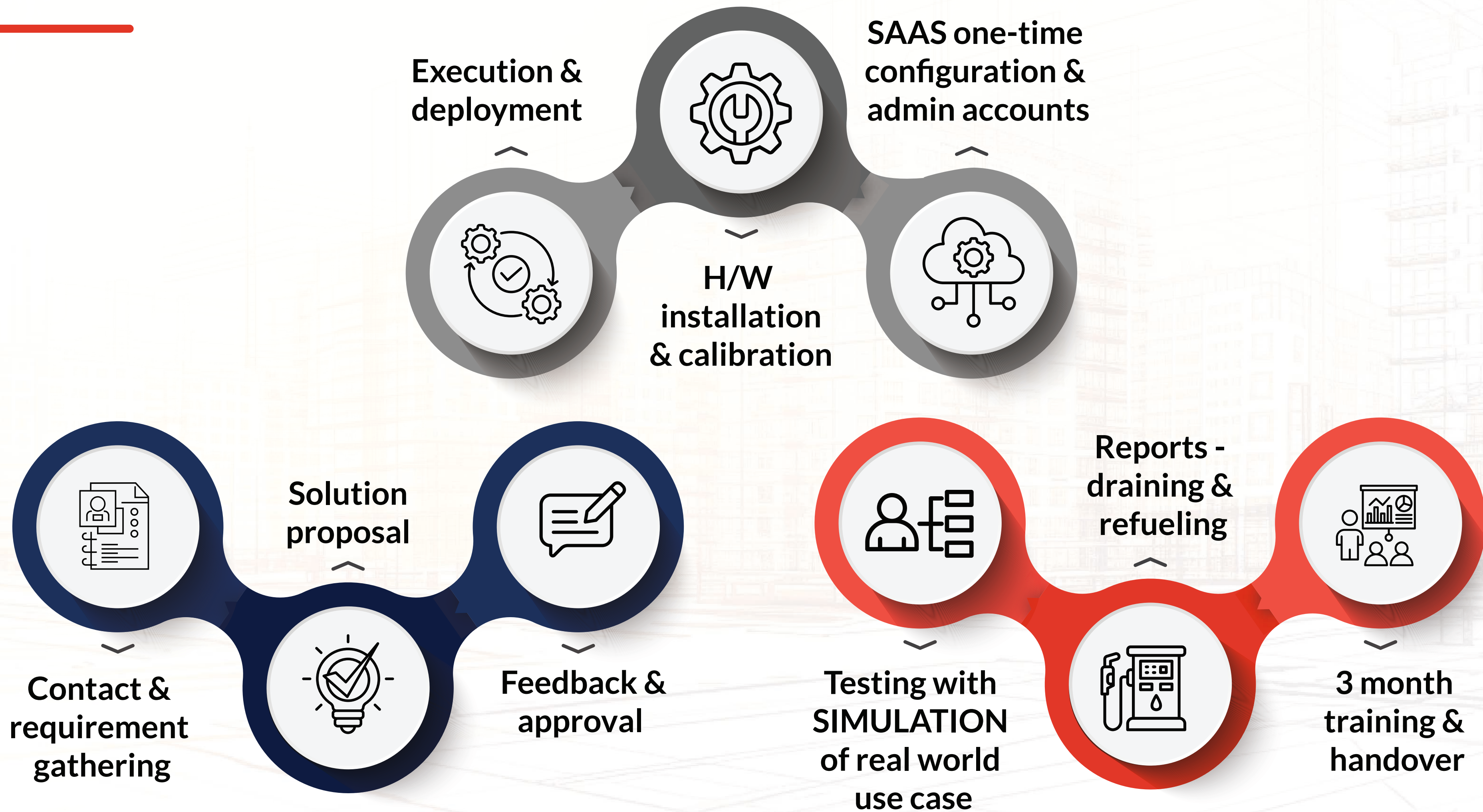
3.5-4.5 KMPL



Client Success Story:

Anonymous was operating 24 TMs for their construction site. Upon installing our hardware and analyzing the data, we discovered that each TM was experiencing a fuel theft of 1,000 liters, equating to a loss of ₹1 lakh per machine. By addressing this issue, the HQ decide to debit the amount which was told by Aether. Our BI team discovered that the output being generated by 24 TMs could be achieved with just 16 TMs, significantly improving asset utilization and reducing operational losses.

How We Do



Hardware

Supports 2G | 4G

We select the best network provider in each area to ensure optimal connectivity for our services.



IoT

We choose Teltonika for our Location-as-a-Service solutions because

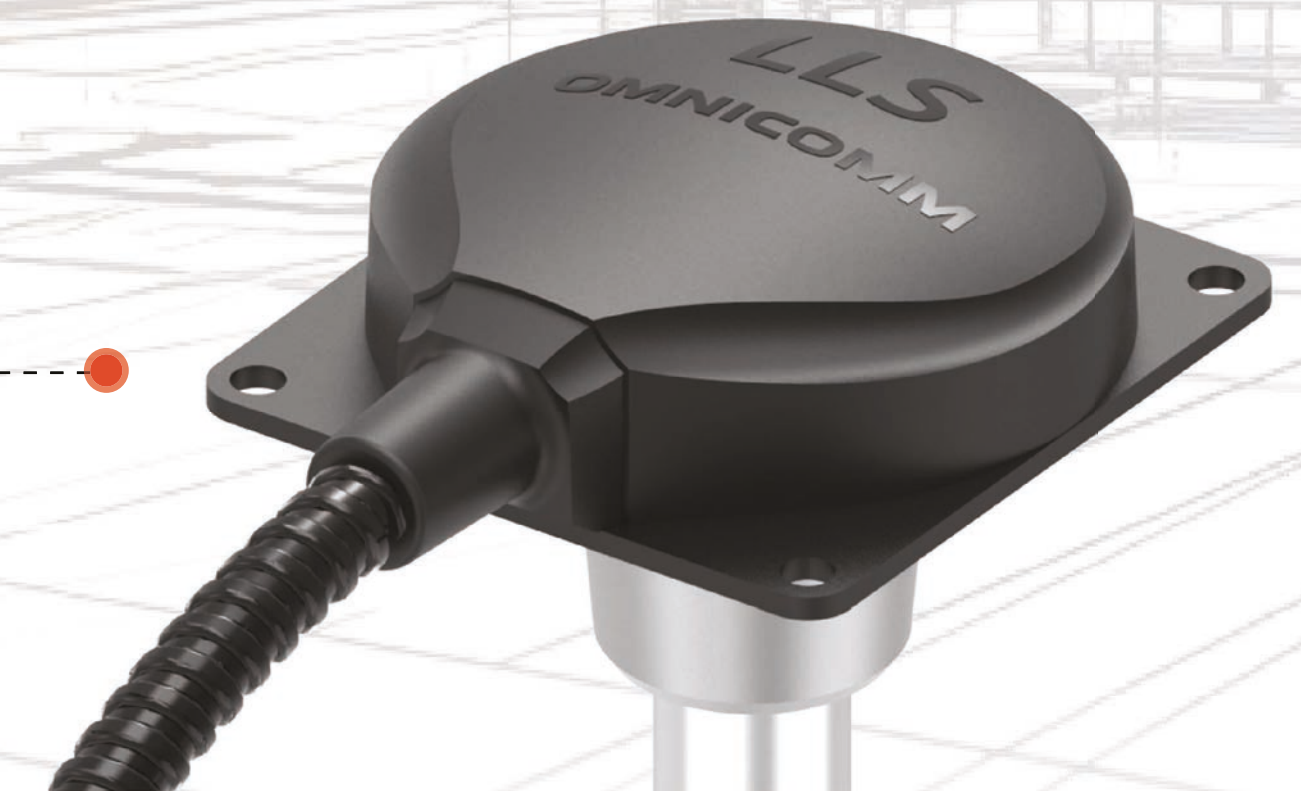
- **Proven Reliability:** Teltonika's devices are battle-tested, ensuring consistent and dependable performance.
- **Established Expertise:** With over 26 years in the market, Teltonika brings extensive experience to IoT hardware manufacturing.
- **Our Experience:** Our team has experience working with Teltonika products, enabling us to deliver optimal solutions to our customers.



LLS

Why We Choose Omnicomm for Fuel-Level Sensors (LLS):

- **Unmatched Accuracy:** Omnicomm's Fuelscan® technology ensures 99.5% measurement precision, setting a new industry standard.
- **Proven Reliability:** Our positive experience with Omnicomm's products and services has consistently met our expectations.
- **Industry Leadership:** Recognized as a flagship company in the LLS field, Omnicomm leads in innovation and quality.



Software

A mature SAAS platform
with integrated
**Cloud Telephony
Infrastructure.**



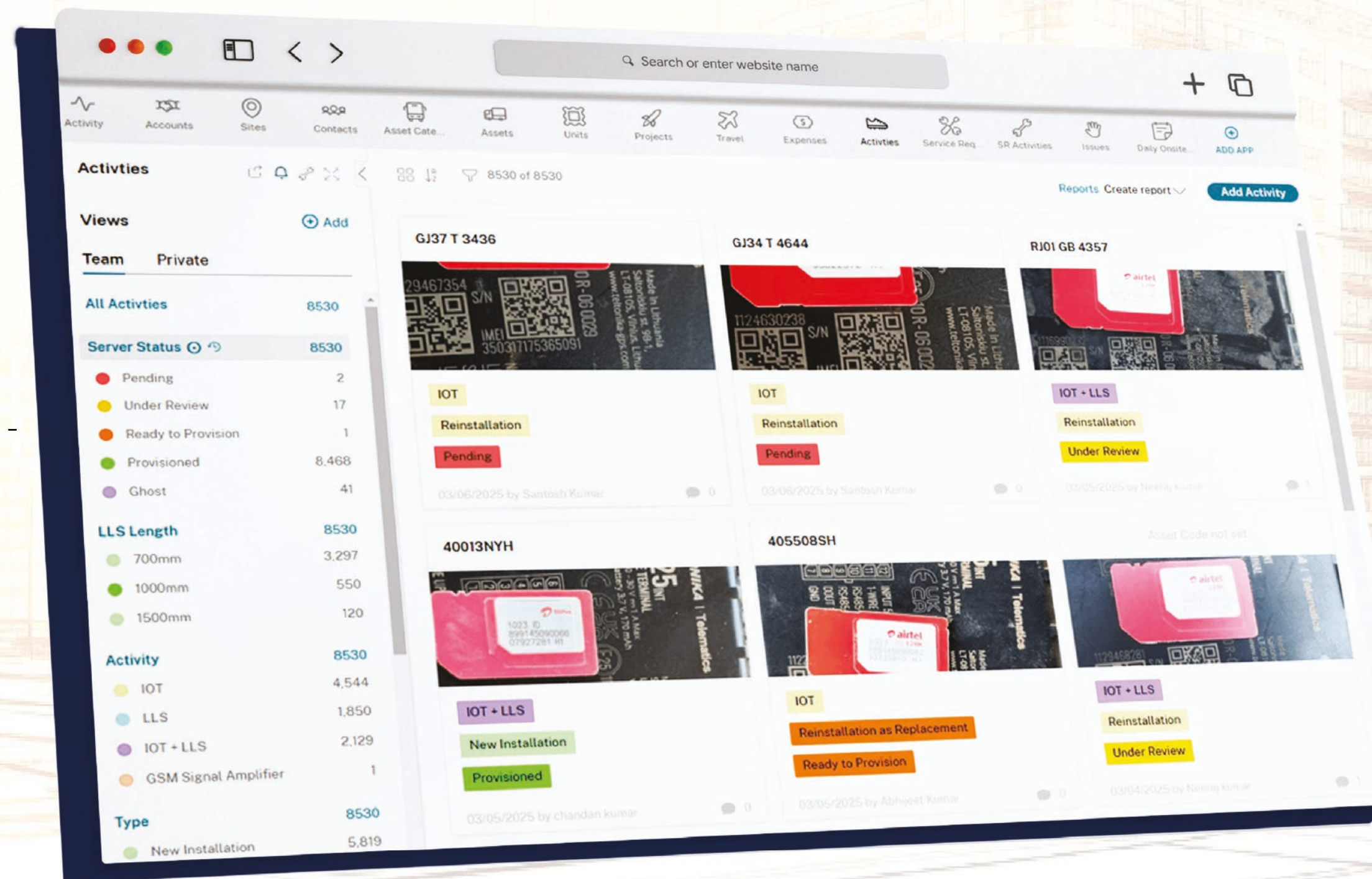
Our backend data flow ensures efficient and reliable data processing through the following sequence:

- **IoT Devices:** Our IoT devices collect data and send it over the GSM network.
- **Flespi:** This data is received by Flespi, which uses the MQTT protocol to feed the normalized and pre-processed data to AWS IoT hub.
- **AWS IoT Core:** Flespi forwards the data to AWS IoT Core, a service that securely connects devices to the AWS cloud.
- **AWS DynamoDB:** AWS IoT Core then stores the data in DynamoDB, a fast and flexible NoSQL database service.
- **AWS Elastic Beanstalk:** Our applications, running on AWS Elastic Beanstalk, access the data from DynamoDB to provide you with the necessary information and services.

Services



Annual Maintenance Cost



Our Service Approach:

- **Centralized Data Management:** We utilize Podio as our data center to efficiently manage all assets of our projects. This centralized system allows us to accurately retrieve and present information related to any project or asset, ensuring seamless operations.
- **Ensuring Actionable Reporting:** When we send reports to companies, sometimes the data gets lost in their large system, and no action is taken—like removing an operator or deducting the correct amount. But we don't stop there. We actively follow up, pointing out the issues and pushing for corrections. If the immediate team doesn't take action, we escalate the matter to higher management. Even if there are conflicts or pushbacks, we ensure the necessary steps are taken so that our product actually benefits you, not just gets installed.

Monitoring & Reconciliation

If you're unable to monitor and reconcile fuel draining and refueling events, our BI team takes care of it for you. This isn't just monitoring—it's a direct ROI-generating solution that will generate value from our technology and services

- Manually Verified Draining Events Report -**
 Persistent monitoring of customer assets by Aether BI team. Manually verify draining events by reconciling Aether generated data and customer log sheet and other data.
- Manually Verified Refuelling Reconciliation Report -**
 Persistent monitoring of customer assets by Aether BI team. Manually verify refueling events by reconciling Aether generated data and customer log sheet and other data.
- Manually Verified Digital Logsheets -**
 Persistent monitoring of customer assets by Aether BI team. Manually verify KM, Engine operation Hr. by reconciling Aether generated data and customer log sheet and other data.



Projects We've Worked On

We have contributed to several infrastructure projects across India, including:

Delhi Metro Rail Corporation

Chennai Metro Rail Limited

Mumbai Trans Harbour Link

Gandhi Sagar Pumped Storage Project

Kudankulam Nuclear Power Plant

Bangalore Metro Rail Corporation Limited

Mumbai Coastal Road Project

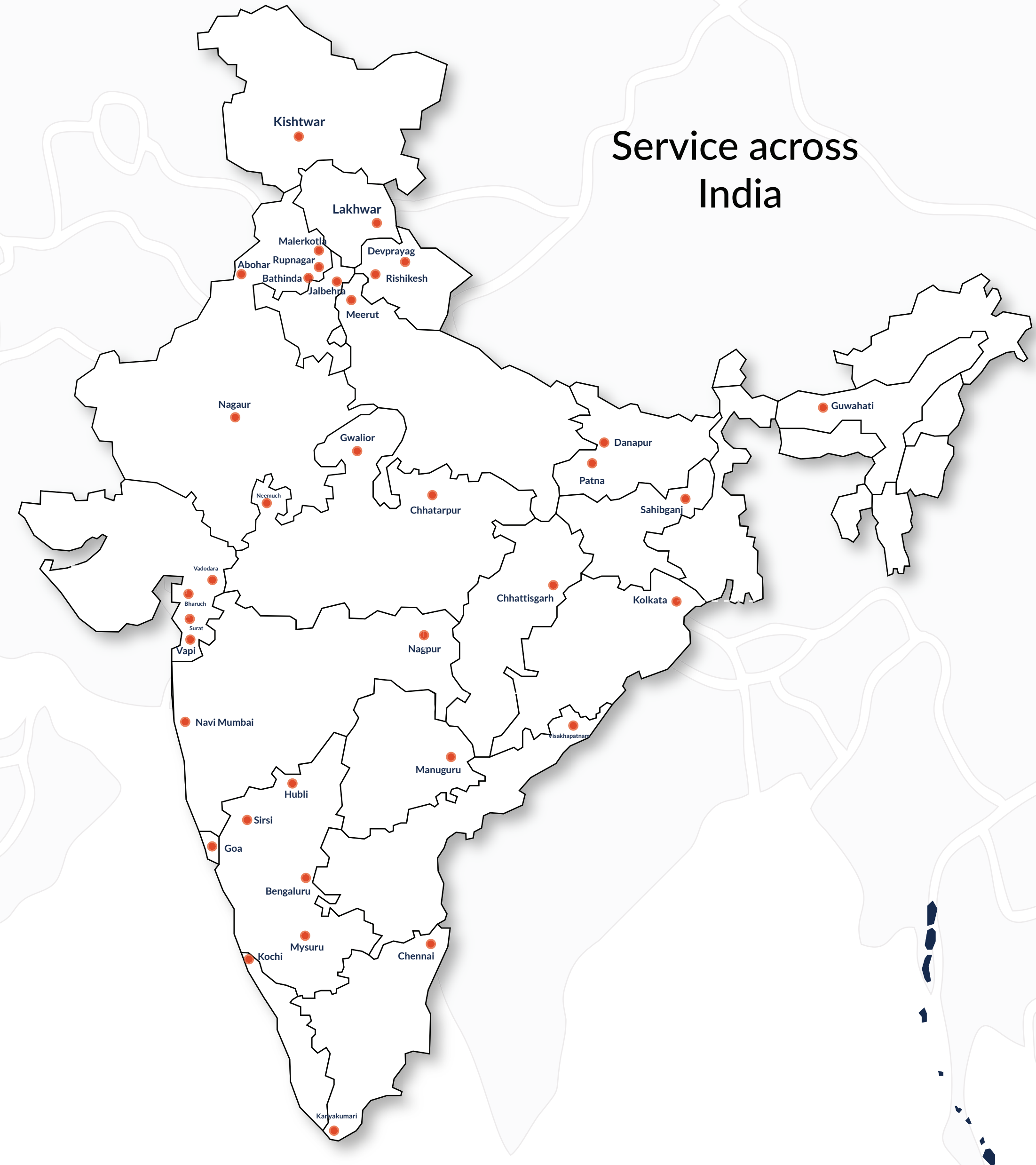
Mumbai-Ahmedabad High-Speed Rail Corridor

Patna Metro Rail Corporation Limited

Kolkata Metro Rail Corporation Limited

Service across
India

We're serving to
36+ locations
across India





æTHER

Looking forward to supporting your
Digital Transformation Journey!

Contact us



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