Metova's Turnkey Fleet Management IoT Solution

Quickly Capture Value:

Drawing on the industry, functional, and digital experience within Metova and our alliance network, we provide a single pre-configured package that includes:

- Functional Proof-of-concept in under 12 weeks
- Multiple ways to map geographic data and your sites
- Accelerated business results from analyzed data
- Integrate and synchronize asset data with ERP Finance & Maintenance modules
- Broad distribution, services, and scalability that's manufacturer agnostic

These turnkey IoT solutions are tested, integrated, and shown in production to reduce the path to value from months down to weeks with less risk.

Best Of Breed Architecture

Infrastructure	Data Management	Analytics	Security

Technology Offer

Predictive Maintenance

Monitor equipment performance and utilization in real-time and diagnose issues before downtime occurs.

Asset Performance Management

Optimize long-term asset operation and maintenance planning to ensure all assets carry out their intended functions.

Asset Tracking

Track location of assets and movements in real time to improve efficiency and visibility direct on the map.

Clients have a faster, easier path to the advantages of predictive maintenance and asset monitoring with turnkey IoT.

- 5–15% increased OEE (availability, performance, quality)
- 15–30% reduced unplanned downtime
- 10–20% increased throughput and on-time delivery
- 20–30% reduced maintenance costs
- 10–35% improved quality

"As a leading, multi-state materials handling company, we are constantly looking for ROI using technology to optimize our business and provide better customer service.

Metova's solution is a real time-saver, enabling us to optimize equipment maintenance schedules, find a specific rental vehicle on demand, or look up equipment history all from a mobile device – and all while operating in temperatures as low as -40 degrees Fahrenheit and withstanding hard shock and water in abusive environments."

Think big. Start small. Scale fast.

Our approach alleviates much of the complexity of figuring out all the technology and network partners, enabling clients to proactively mitigate risks and focus on strategic initiatives and business goals.

Jumpstart the process with IoT turnkey Fleet Management:

• **Metova client workshops** give clients a view on the "art of the possible" and a roadmap for how they can start small.

• **Pre-configured IoT accelerators** tailored to a specific business area can dramatically reduce the time and effort required to get digital solutions up and running via IoT, typically delivering value in under 12 weeks.

• **We apply an agile process** to allow the business/IT to respond quickly to changing needs, reduce time between request and delivery, build only the software needed, avoid quality issues, and meet project commitments by reprioritizing scope.

Research & Strategy

Design
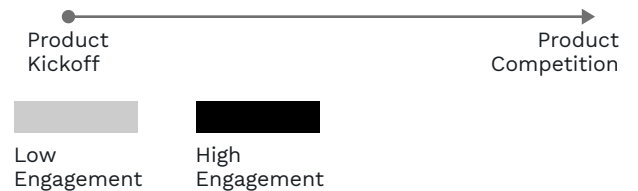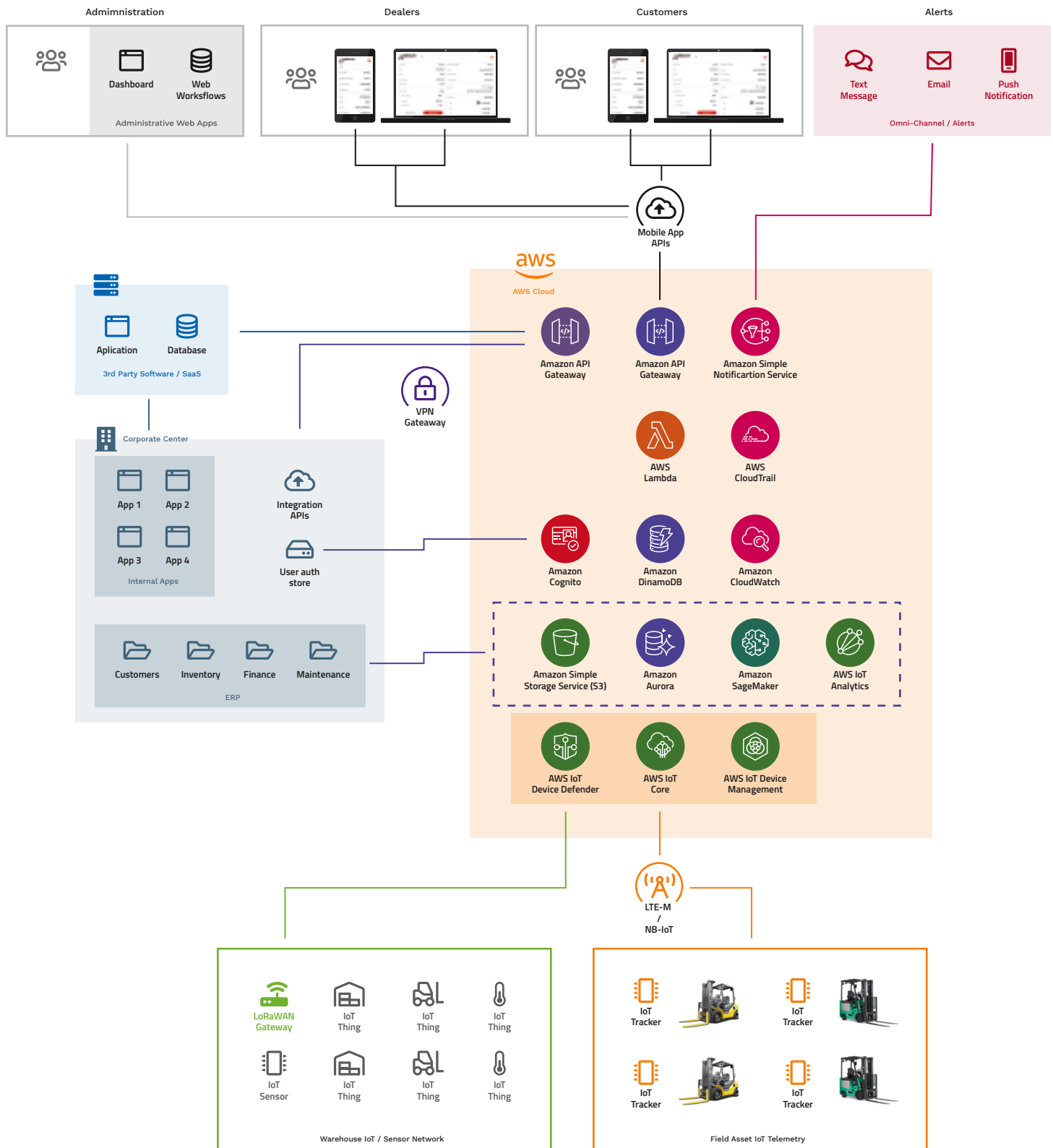
Development

QA Automation & Maintenance

Marketing Services

Product Kickoff → Product Competition

Low Engagement   High Engagement

Solution Ecosystem

METOVA   SAP   Microsoft   aws

ORACLE   NETSUITE   + More to Come

A Turnkey Solution Diagram.

Admimnistration

Dashboard | Web Worksflows

Administrative Web Apps

Dealers

Customers

Alerts

Text Message | Email | Push Notification

Omni-Channel / Alerts

Mobile App APIs

aws
AWS Cloud

Aplication | Database

3rd Party Software / SaaS

VPN Gateaway

Amazon API Gateaway

Amazon API Gateaway

Amazon Simple Notificartion Service

Corporate Center

App 1 | App 2
App 3 | App 4

Internal Apps

Integration APIs

User auth store

AWS Lambda

AWS CloudTrail

Amazon Cognito

Amazon DinamoDB

Amazon CloudWatch

Customers | Inventory | Finance | Maintenance

ERP

Amazon Simple Storage Service (S3)

Amazon Aurora

Amazon SageMaker

AWS IoT Analytics

AWS IoT Device Defender

AWS IoT Core

AWS IoT Device Management

LTE-M / NB-IoT

LoRaWAN Gateway | IoT Thing | IoT Thing | IoT Thing

IoT Sensor | IoT Thing | IoT Thing | IoT Thing

Warehouse IoT / Sensor Network

IoT Tracker | | IoT Tracker

IoT Tracker | | IoT Tracker

Field Asset IoT Telemetry