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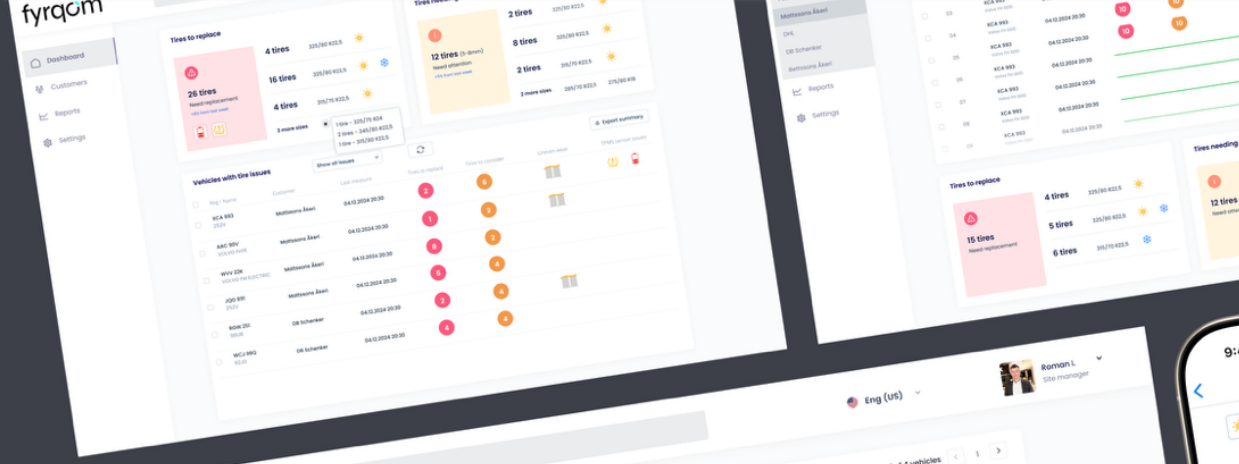
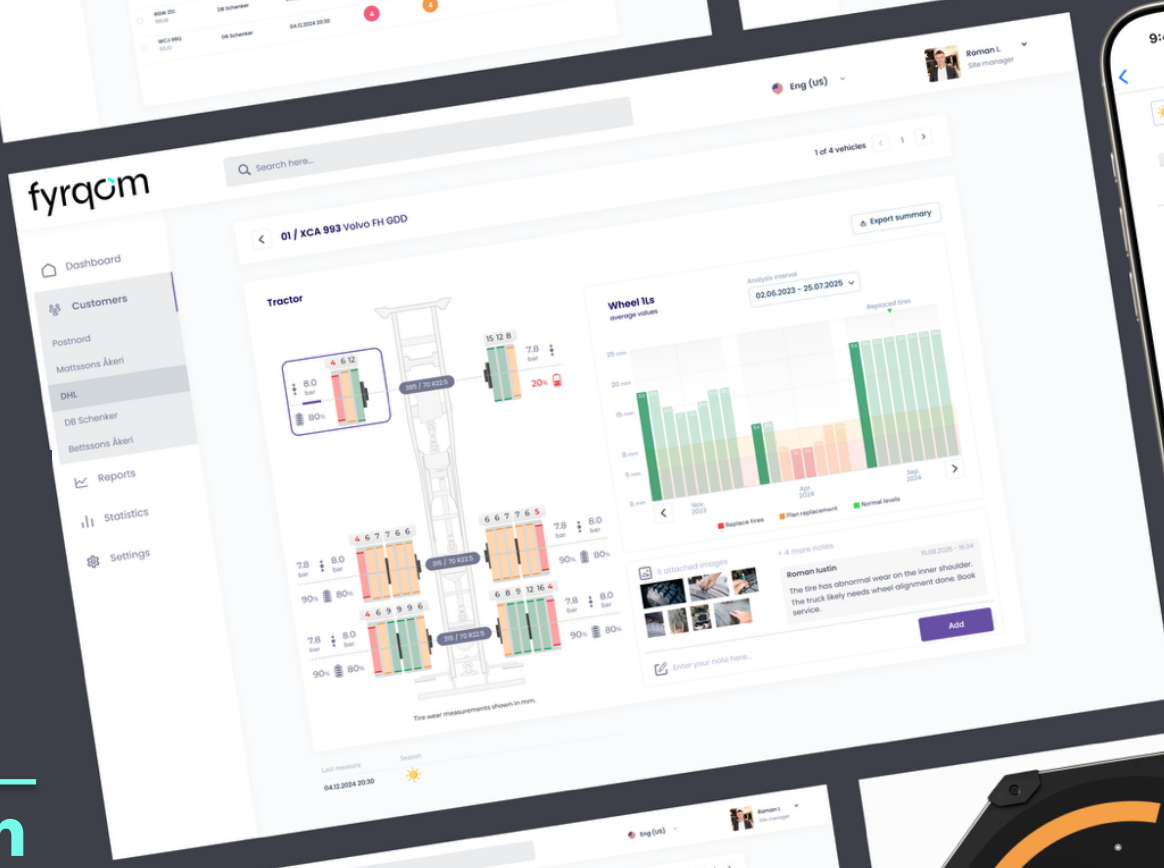
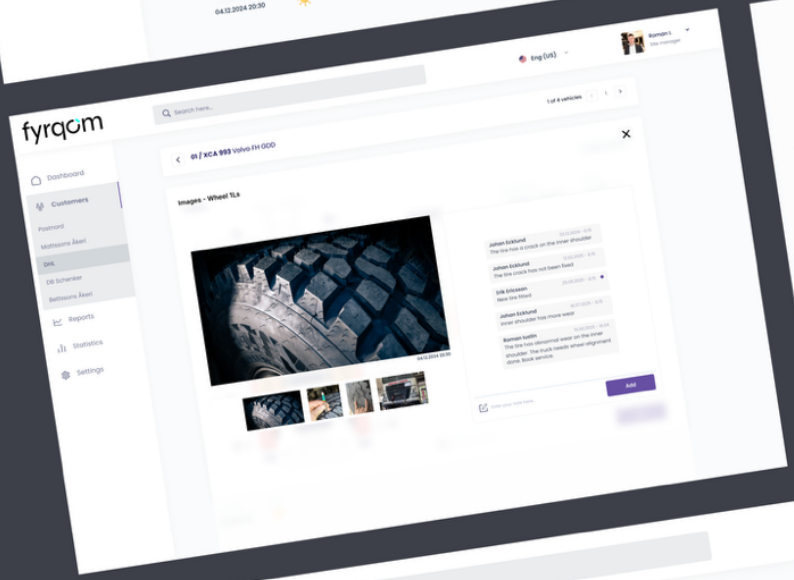
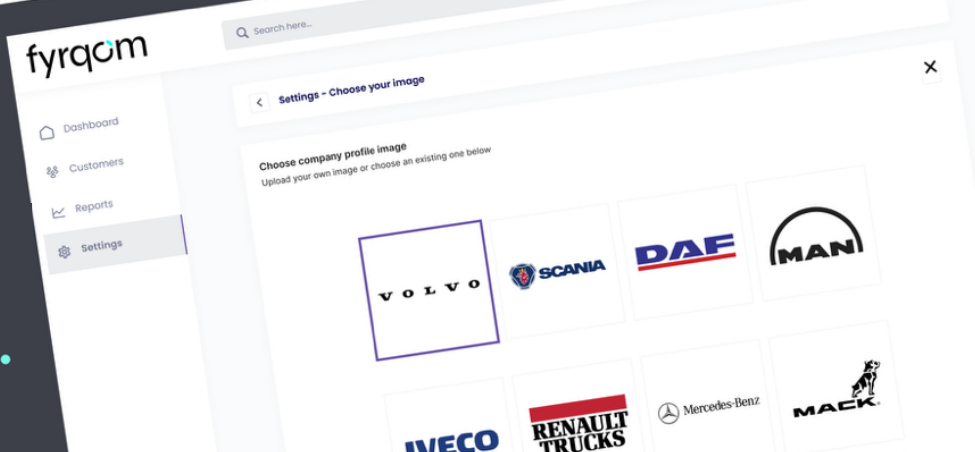
# Industrial Equipment Add-on

## Specification



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## 1. Device / HW - fyrSense

| Parameter | Specification |
|---|---|
| **Device type** | Embedded RFID + TPMS module |
| **Dimensions** | 80 cm x 80 cm x 5 cm |
| **Weight** | ~10 kg |
| **Connectivity** | Ethernet / PLC |
| **Connectivity Interface** | M12-4D Female |
| **Power** | 12 V DC |
| **Power Interface** | M12-4A Male |
| **RFID standard** | EPC Gen2 / ISO 18000-63 |
| **RFID reading range** | >1.5 m |
| **RFID reading time** | ~milliseconds |
| **RFID Actions** | Read |
| **TPMS standard** | All BLE/315/433 MHz protocols |
| **TPMS operation range** | >0.5 m |
| **TPMS operation time** | <10 s |
| **TPMS actions** | Read, verify, pair, clone, program |
| **Auto-pairing** | Automatic RFID ↔ TPMS link |
| **Operating temperature** | -20°C to +60°C |
| **Housing** | Sealed workshop-grade enclosure |
| **Environmental rating** | Dust, dirt & moisture tolerant (IP-rated design) |

## 2. Mobile App / Operator UI – fyrGo

| Function | Specification |
|---|---|
| **Supported OS** | iOS & Android |
| **Workflow** | Minimal-click, intuitive UI |
| **Vehicle ID** | Plate scan (camera) (manual input if plate unreadable) |
| **Data capture** | Tire ID, TPMS parameters, event type, photos, notes, mileage, season/storage info |
| **Permissions** | Operator-level access control |

## 3. Data Cloud / Dashboard – fyrSight

| Function | Specification |
|---|---|
| **Platform** | Secure cloud-based tire data platform |
| **Access** | Web-based dashboard on any web-browser of choice |
| **Stored data** | -Tire ID, brand, model, size, speed index, load index<br>-TPMS parameters<br>-Event type, photos, notes, mileage, season/storage info |
| **Exports** | PDF reports or CSV / Excel |
| **Search/filters** | Vehicle, tire, site, date, event, operator, station |
| **Integrations** | API endpoints (fleet/IT systems) or PLC |

## 4. Operational

| Parameter | Specification |
|---|---|
| **Installation** | ~6 hours |
| **Training time** | ~2 hours |
| **Usability** | Works in any industrial environment |
| **Extra hardware** | None required (phone = terminal) |
| **Mobility** | Fixed installation per station |

## 5. Security & Compliance

| Parameter | Specification |
|---|---|
| **Data transport** | Encrypted |
| **Hosting** | EU-compliant cloud |
| **Data ownership** | Customer-owned |
| **Audit trail** | Station, operator (if used), timestamp |