fyrqom

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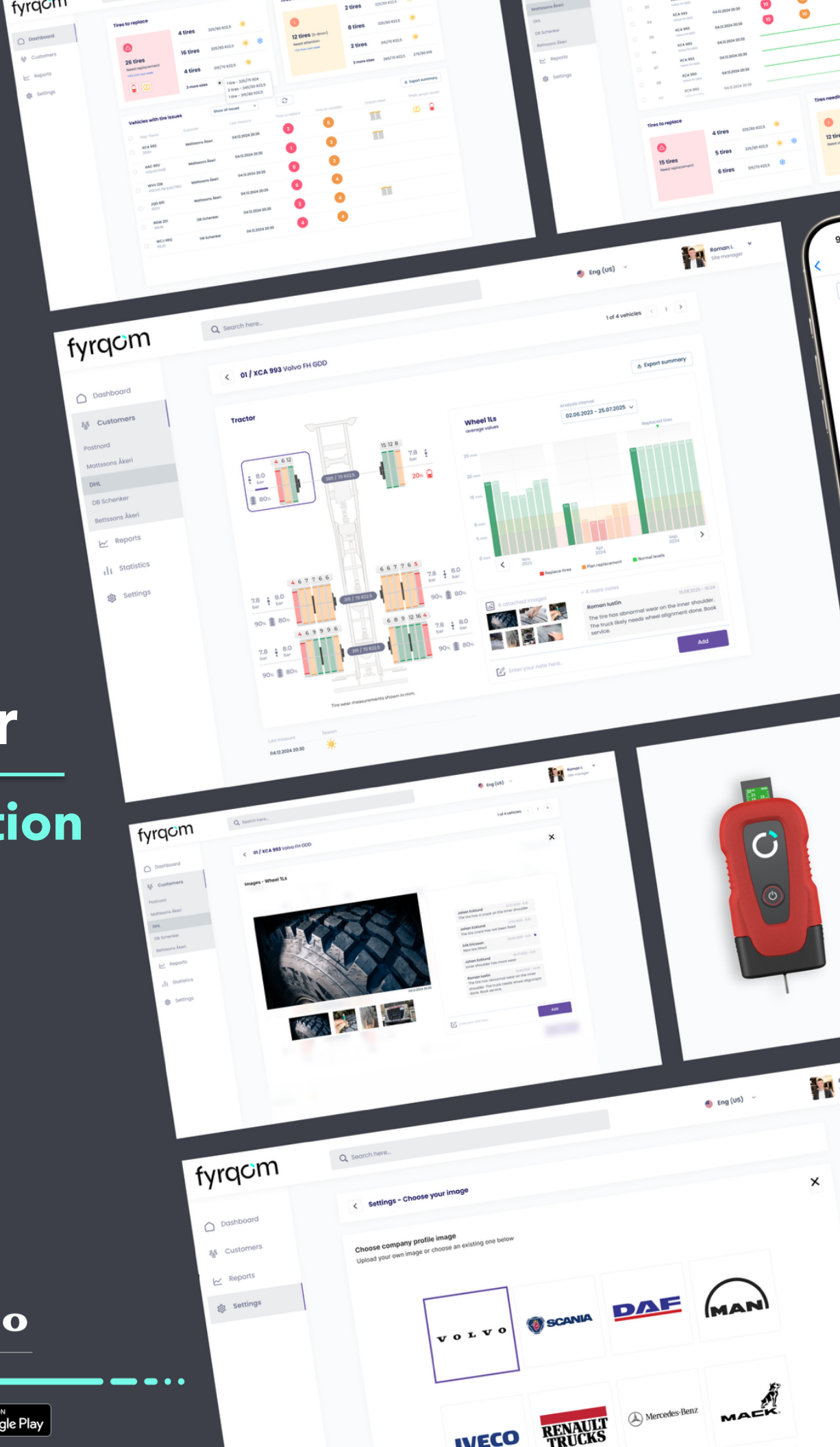
Mobile Tread Scanner

Specification



VOLVO

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1. Device

Parameter	Specification
Device type	Wireless digital tread depth gauge
Connectivity	Bluetooth Low Energy (BLE)
Terminal	Phone acts as terminal – no dedicated reader required.
Wireless Range	5–10 m typical workshop range
Form factor	Ultra-compact, pocket-sized
Measurement method	3-point (inner / center / outer)
Calibration	Factory calibrated + field calibration supported
Accuracy	± 0.1 mm (typical)
Operating temperature	–10°C to +50°C
Battery	Replaceable (2 x AAA)
Housing	Workshop-grade polymer & metal
Environmental resistance	Dust, dirt, moisture tolerant (workshop-ready)

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)
Tyre mapping	Automatic: singles, duals, inner/outer
Data capture	tread, photos, notes, mileage, season/storage info
Dual-wheel logic	Automatic inner/outer sequence
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	Tread, photos, notes, mileage, history
Exports	PDF reports, CSV / Excel
Search/filters	Vehicle, site, date, operator
Integrations	API endpoints (fleet/IT systems)
Compatible datasets	RFID & TPMS data when available

4. Operational

Parameter	Specification
Operators per site	1–20+
Device pairing	Fast BLE pairing
Training time	Minutes (simple workflow)
Usability	Works in dirt, rain, low light
Extra hardware	None required (phone = terminal)
Mobility	Each operator carries own pocket-sized device

5. Security & Compliance

Parameter	Specification
Data transport	Encrypted
Hosting	EU-compliant cloud
Data ownership	Customer-owned
Audit trail	Operator ID + timestamp