

**VTWAYS™**

Smart Solutions for Transportation and Mobility



## TELEMATICS SOLUTIONS

*(Category: Asset Tracking and Monitoring with AI and IoT)*

**VTWAYS™ TMZ25**

AI Enabled Telematics for Transportation

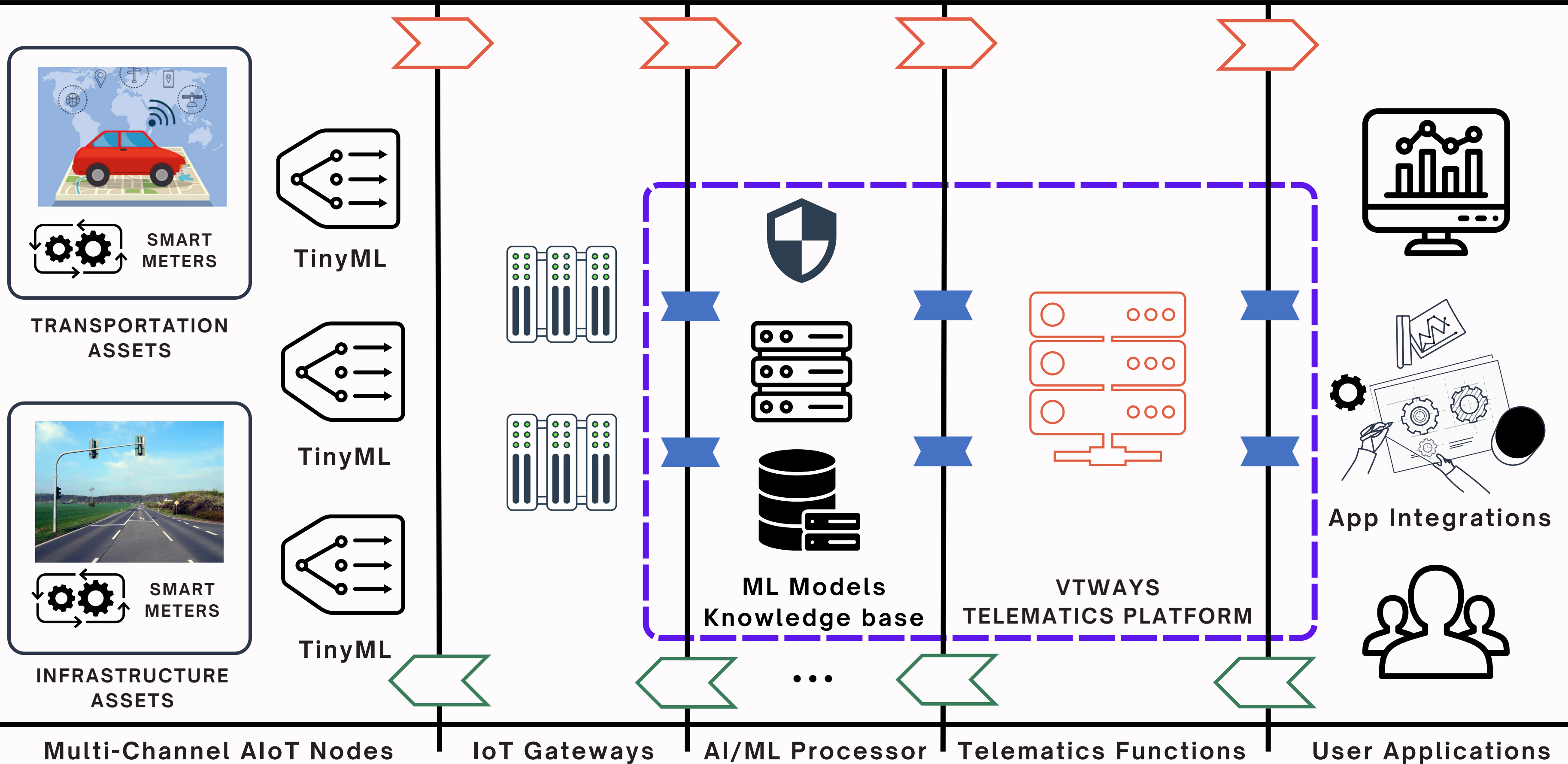
# VTWAYS™ TMZ25

Telematics facilitates seamless monitoring of inventory and assets, optimizing revenue generation and supporting future enhancement planning.

**TMZ25** is a digital platform designed to integrate with transportation and mobility telematics, offering easy access to asset monitoring data and analytics.

# VTWAYS™ TMZ25

AI Enabled Telematics for Transportation



# VTWAYS™ TMZ25 PLATFORM

A collection of open source software libraries, frameworks, languages for connectivity, IoT, data processing, AI/ML engines, telemetry, integrations at the gateways, edge servers and mobile apps.

C/C++      MICROPYTHON

ZEPHYR      FreeRTOS

IEC-61499      IEC62056  
(DLMS/COSEM)

WEBSOCKETS      MQTT

IEC-61850      BACNet

AI PROGRAMMING  
CLIPS, TINYML      ...

C/C++

MICROPYTHON

SCADA (IEC-104)

IEEE 61499

HDF5, Redis

...

NUMERICAL LIBRARIES: OPENBLASS, GMP, MPFR, NLOPT, GSL, EIGEN AND MORE.

AI/ML: MLPACK, DLIB, SCORING ENGINES, ONNX, TFLITE, CLIPS, PROLOG, PMML, PFA, NN FORMATS, FMI, RDF, SPARQL AND MORE.

DATABASES: HDF5, SQLITE, REDIS

COMPUTER VISION, GIS, VISUALIZATION LIBRARIES

ACCOUNTING LEDGER, QUANTITATIVE ANALYSIS,

SECURITY: IDENTITY MANAGER, SSL/TLS

DEVOPS, FIRMWARE OVER THE AIR

GRAFANA

ZABBIX (SNMP)

HMI

3D, CAD

XMPP (CHAT)

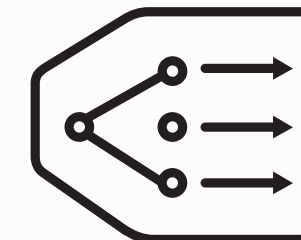
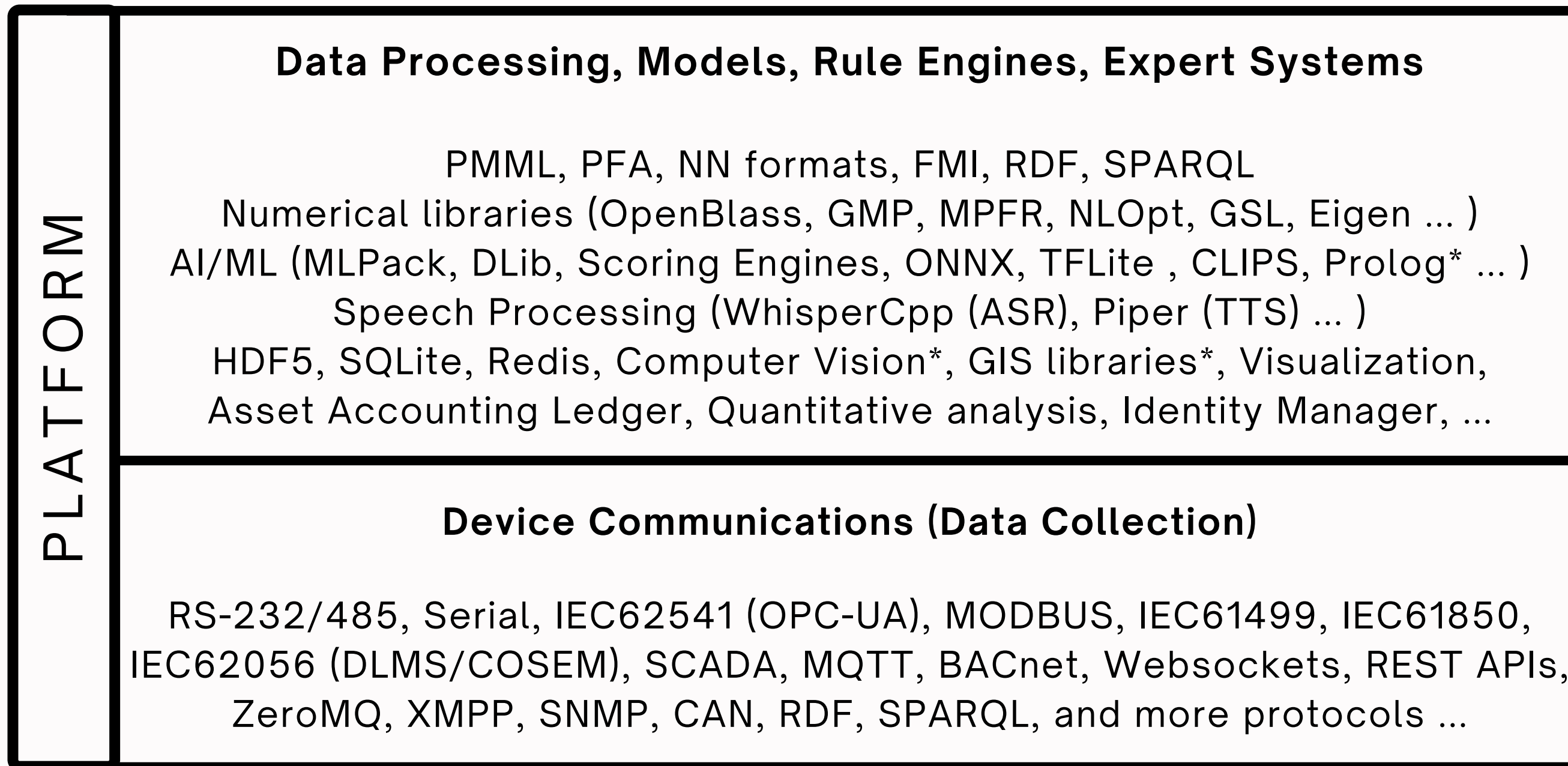
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Multi-Channel AIoT Nodes

Gateways

Edge Server, Engineering Station

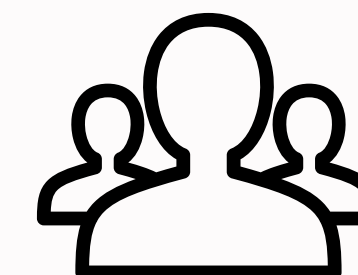
Control Center



**API, Webhooks**



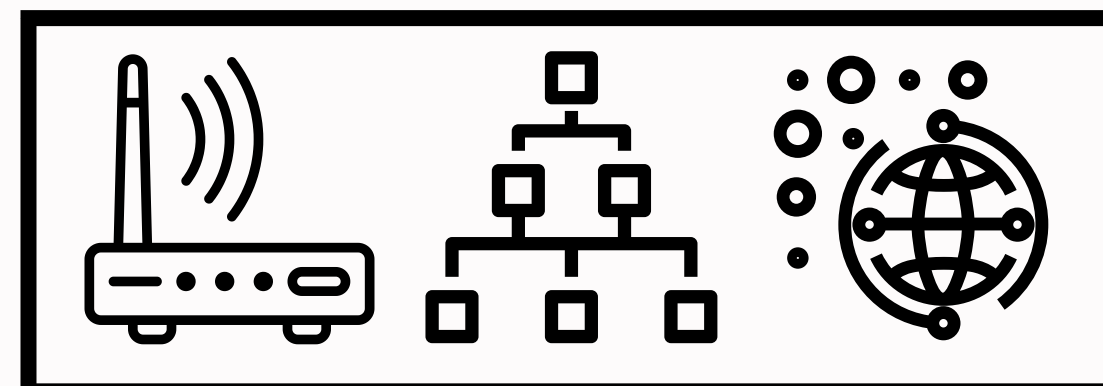
**Integrations**



**User Applications**



**APPLICATION INTERFACES**



**ASSET DATA MODELS**



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**THANK YOU**