

Superb Data Kraken by efs

FROM
RAW VEHICLE
DATA TO REAL
DECISIONS

INTRO

An end-to-end data platform that handles any type of data at any scale. Real-time analytics, AI-powered insights, full EU Regulatory compliance and transparent pay-as-you-go pricing.

KEY FACTS

- End-to-end pipeline from ingestion to analysis.
- Real-time analytics with AI-powered insights.
- Modular, EU-Norms-compliant architecture.
- Transparent pay-as-you-go pricing. No infrastructure lock-in.
- Proven in research consortia and production: SAVeNoW (AUDI), DISRUPT.

THE CHALLENGE

The data bottleneck.
Most organisations are
losing the data race.

WHERE TEAMS LOSE TIME

- Custom scripts and isolated databases that nobody owns (often data in silos locked into supplier infrastructure).
- Real-time and historical data live in different worlds. (Requirements, Fleet Data, Test Reports)
- Compliance added late, not built in from the start.

THE SOLUTION

→ Superb Data Kraken

An end-to-end data platform that ingests any kind of data at any scale. Seamless integration, real-time analytics, full compliance. Automation and AI-powered insights as native capabilities, not add-ons. A transparent pay-as-you-go model lets organisations stay ahead of change instead of chasing it.

SOURCE

- Legacy
- Streaming
- API
- Files
- IoT

OUTPUT

- Dashboards
- APIs
- ML Models
- Reports

SIDE LOOP

- AI INSIGHTS feeding back into PROCESSING

INGESTION → STRUCTURED STORAGE
→ PROCESSING/TRANSFORMATION
→ GOVERNANCE

KEY CAPABILITIES I

01. UNIVERSAL DATA INGESTION

Legacy systems, proprietary formats, real-time streams and APIs handled in one platform. Add a connector, point the platform, ingestion begins.

02. REAL-TIME ANALYTICS

Live querying on streaming and historical data side by side. Decision latency measured in seconds, not days.

KEY CAPABILITIES II

03. AI-POWERED INSIGHTS

Native AI for anomaly detection, classification and trend analysis. Insights run continuously on incoming data.

04. COMPLIANCE & GOVERNANCE

EU-compliant architecture as a default, not an add-on. Data lifecycle management, access control and audit trails built in.

SPECIFICATIONS & USE CASES

TECHNICAL SPECIFICATIONS

ARCHITECTURE

- Modular, cloud-native, EU-Norms-compliant

DATA LIFECYCLE

- *INGESTION*
 - *STRUCTURED STORAGE*
 - *PROCESSING/TRANSFORMATION*
 - *GOVERNANCE*

SOURCE TYPES

- Legacy · Proprietary formats
- Real-time streams
- APIs
- IoT

ANALYTICS

- Real-time and historical data on the same query layer

PRICING MODEL

- Pay-as-you-go, usage-based, transparent

REFERENCE PROJECTS

- SAVeNoW (AUDI)
- DISRUPT (Fraunhofer IVI)
- Energy utilities

USE CASE

X DIGITAL URBAN TWIN (SAVeNoW)

Interdisciplinary research project led by AUDI: digital twin of Ingolstadt for safe and sustainable mobility. SDK handles static and dynamic traffic objects and city-wide simulations of traffic scenarios and their impact on mobility.

USE CASE

BIG-DATA TRAFFIC PLATFORM (DISRUPT)

Bavarian research project involving Fraunhofer IVI. Traffic data platform for live and historical analysis of road user prediction and tracking.

USE CASE

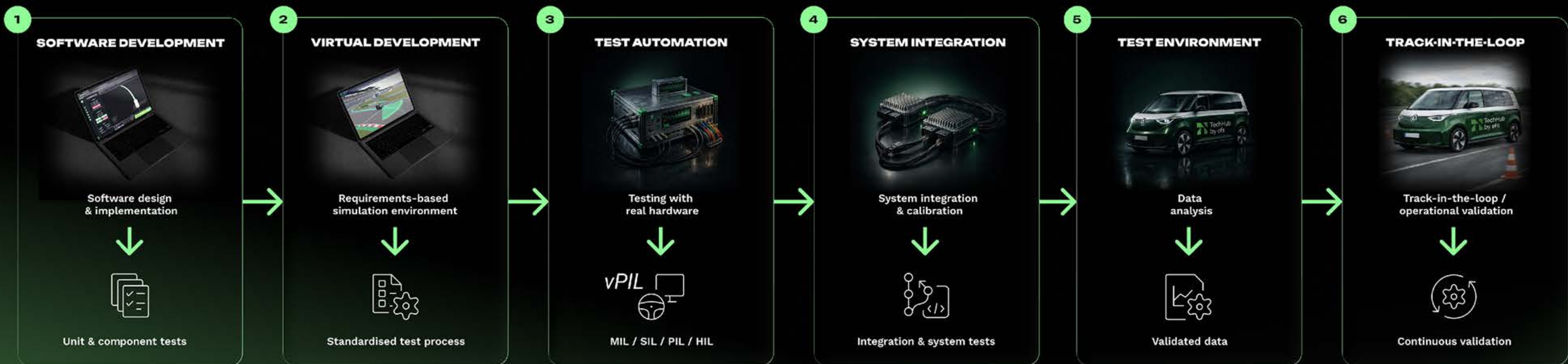
ENERGY UTILITIES DATA HUB

Central data exchange for municipal utilities. Grid, generation and consumption data linked for forecasting, automated billing and smart control.





END-TO-END VERIFICATION WITH IDENTICAL TESTS AND CONSISTENT DATA FLOW



MODEL-BASED SYSTEMS ENGINEERING

AI METHODS AS ENABLERS

(test design, anomaly detection, data analytics, predictive analytics, scenario generation)



TechHub by efs
efs-techhub.com
info@efs-techhub.com