

Part 3 Two Decades at Bosch

Plochingen NextGen Platform and Early IoT

Part 3 of 7: Basics Driving Global Scale,
Early Inspirations

§ 1/11: Recap Santa Barbara Successes

Data Fundamentals and Personal Growth Part 2

⚙️ Fixing diagnostics with database basics & finding my voice.

⚙️ Next chapter: Plochingen, Germany, for a **next-generation product landscape**.

§ 2/11: Ambitious Vision Common DB

One Database for US and European Vehicle Diagnostics

⚙ The goal was ambitious and exciting.

⚙ Those **fundamental data principles** (efficient design, optimized queries, understanding data flow) continued to be bedrock.

§ 3/11: Collaboration and Integration

Awesome Teams Creating NextGen Core APIs DiaX

- ⚙️ Privileged to meet and collaborate with the team creating core APIs (DiaX) for diagnostics.

- ⚙️ Based on OBD2 standard, under visionary leadership.

§ 4/11: Bosch Software Innovations SI Joins

Integrating Systems into ESItronic Live an Over The Web Solution

⚙️ Colleagues from Bosch SI (now Bosch Digital) joined to integrate these systems.

⚙️ However, the integration proved challenging initially.

§ 5/11: Bridging Gaps Demonstrating Functionality

A Simple Java App to Invoke DiaX Calls

⚙ To help, I created a simple Java desktop app.

⚙ It invoked DiaX calls, allowing basic tasks, troubleshooting, and building faith in our direction.

§ 6/11: 2011 A Pivotal Year

Dr Denner - Data is New Oil

⚙ At Bosch grand event, Dr.

Denner declared: "**Data is the new oil.**"

Resonated deeply!

⚙ Bosch SI showcased REST APIs – a concept to redefine system communication.

⚙ Early IoT solution prototypes were displayed, many now mature products.

§ 7/11: Inspired to Explore IoT Business Models

Published Paper fun2drive App Concept

⚙️ Inspiration led to publishing "App, Applications, and Analytics: Use Cases and Business Models in an IoT-based Ecosystem."

⚙️ This exploration birthed "**fun2drive**", an OBD2 based smartphone app for vehicles.

§ 8/11: Vision for Connected fun2drive

Data Driven Business Models Ahead of Its Time

- ⚙ I always insisted on its potential if connected to the web.
- ⚙ Envisioned new data-driven business models.
- ⚙ At the time, decision-makers opted to keep it **offline**.

§ 9/11: Software Patents A Changing Landscape

Early Rejection How Times Have Changed

- ⚙️ An invention report for a related software patent was rejected in Germany and India.
- ⚙️ Reasoning: "Software cannot be patented."
- ⚙️ Today, software & AI patents are crucial in this disruptive age!

§ 10/11: Early Encounters with Modern Practices

UX Design Agile

Methodologies CI Tools

⚙ This period also marked my first

significant encounters with:

⚙ UX design principles.

⚙ Agile methodologies.

⚙ Continuous Integration tools like

Hudson (now Jenkins).

§ 11/11: Foundations for Future Challenges

Data Principles IoT Vision
Agile Awareness

⚙️ These experiences were building blocks for future roles.

⚙️ **Next Up (Part 4):** Connecting Boilers & Taming Big Data in Lollar.

⚙️ Stay tuned!

Series: Two Decades at Bosch (Part 3 of 7)

Plochingen NextGen Platform and Early IoT

Part 1: Early Days & First Innovations

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Part 2: Vehicle Diagnostics & Personal Growth (Santa Barbara)

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**Part 3: Oracle Migration & NextGen Platform
(Plochingen) (Current)**

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Part 4: Connecting Boilers & Taming Big Data (Lollar)

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Part 5: Alliances, Analytics & Scaled Agile Rise

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Part 6: Germany, SAFe & Championing Simplicity (2019-2023)

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Part 7: Reflections, The Pivot & Future Vision

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Early IoT and Agile Awakenings

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Data is the new oil - a timeless truth.

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