PROST in context.

- The **PROST Project** started January 1979 and ended fall 1984 after migration of Product Structures in May 1984.
  First implementation was in March 23, 1982: **25 year anniversary coming up!**.

- The application programmes consist of: **>500.000 lines** of code in **311 COBOL** and **62 E+ Programs, 327 PSBs** and **222 formats**.

- System environment is **IBM IMS**, the largest Transaction and Database Management System in the world. **Global** and extremely **Cost Effective**!

- The **22 DL/1 and 3 DB2 databases** contain more than **3 GB of data**.
  Close to **900000 Parts** in the Volvo CE Parts Master database.

- We have at least **500.000 Product Structure Records** related to current Products and approx. **1.000.000 Product Structure Records** related to historical Products.

PROST in context.

- PROST contains about **20.000 Product IDs** (PV + UV).

- The average user has **46 different transactions** (~equivalent to profile cards in SmarTeam).

- More than **2200 registered users** run more than **5 000 000 transactions** per year distributed on 149 different transactions and 23 BMP. There are also about 145 batch programs.

- More than **300 new users** were educated later that 2002 (3 – 6 day courses)!

VOLVO

PROST in context.
The Economy of the PROST Project 1981/84.

- **Actual Investments 1979 -1984**   **KSEK 18.558**
  incl. Line organization efforts   **54 Man-Years**

- **Operational Costs**   **KSEK 3.000**
  including one continuous person for admin/support

- **Discussed Income**   **KSEK 6.520 – 9.127**

- **Realization of the Project** (Oct 1881 – June 1984): **On Time and**
  On Budget !

- **Assumed practical life time was 10 years!**

PROST in context.

- **PROST** was initially developed for the **Swedish Volvo BM.**

- **PROST** has since 1984 been developed for **global use in English** or Swedish with **several new functions.**

- **PROST** launched **new technique** and **provided integration at a higher level** with downstream applications**: MAIN and several other.**

- We developed **Interfaces: "Design Anywhere"** and **"Manufacture Anywhere"**

- We developed the **ESW applications across all the Major Processes.**

Compare:

- 251 terminals 1984   → Every user has a PC

- 0,62 SEK/transaction 1984   → >0,05 SEK/transaction 2006

- < 2.000.000 transaction/year 1985 → >5.000.000 transactions/year 2006

- 900 users 1984   → 2500 users 2006

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What is IMS?

- More than **90 percent** of the **Fortune 1000** companies use **IMS**.

  You use it everyday you use your credit card!

- **IMS** serves **200 million end users**

  - managing over **15 billion Gigabytes** of production data

  - processing over **50 billion transactions** every day.

- **IMS** still owns **the high-volume on-line transaction and database management** environment.