



High Performance Manufacturing

Development of a new generation of
knowledge-based self-learning
systems

Dipl.-Wirtsch.-Ing. Andreas Emrich

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Contact Persons:
Andreas Emrich

E-mail:
emrich@iwi.dfki.de

Phone:
+49 681 85775-5081

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Objectives

- Real-time impact analysis of production changes and unforeseen events
- On-the-fly process optimization
- Situational learning based on context snapshots

Expected Results

- High Performance Infrastructure for manufacturing operations
- Reducing energy consumption
- Optimize resource consumption

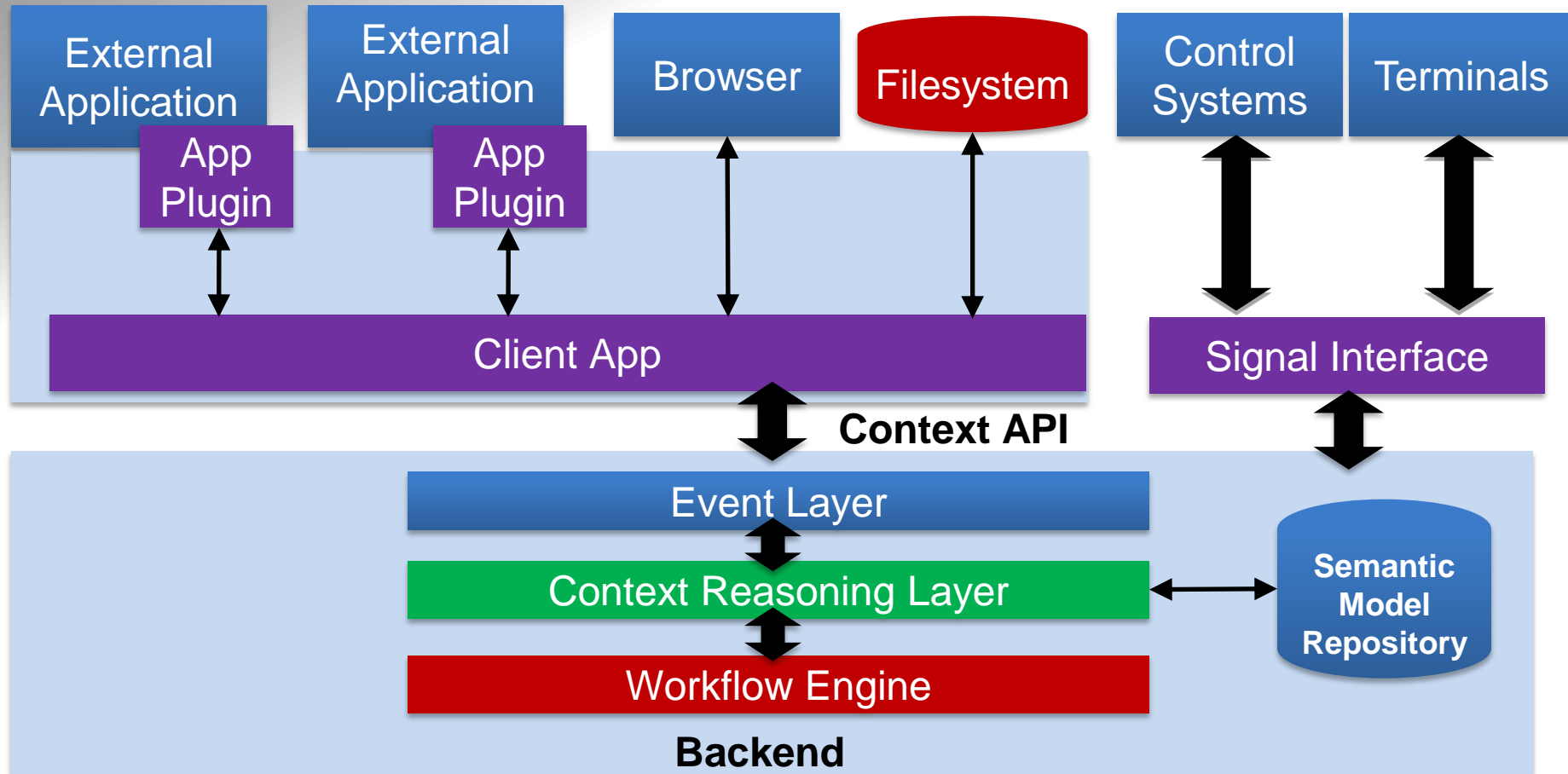


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Synthesized Traceability Architecture



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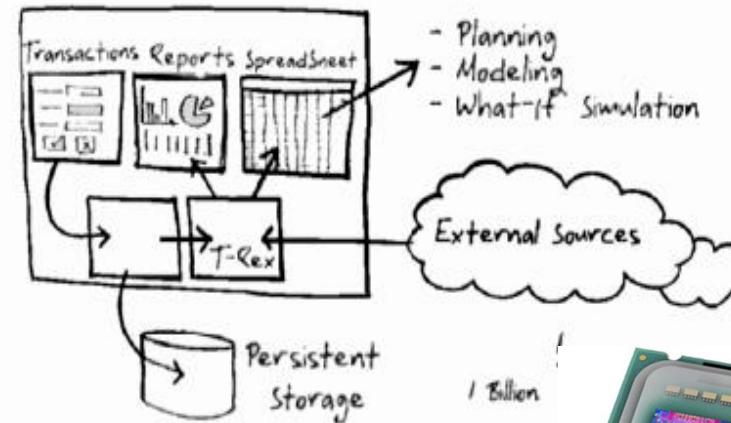
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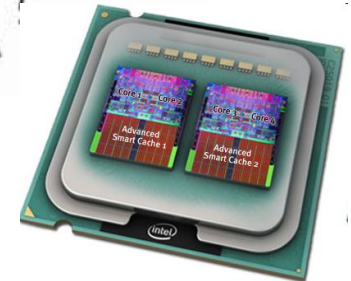
Roles and Partners



- Software Vendors
 - Machine control
 - Production control
- Application Partner
 - Manufacturing company
- Research Partner
 - Schedule optimization
 - Signal processing



1 Billion



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