



# HEIDELBERG Innovation FORUM

## Business ideas for Process Optimization: ProVis.Agent - Software agent based production monitoring & control tool -



**Fraunhofer** Institut  
Informations- und  
Datenverarbeitung



ProVis.**Agent**

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**If you drive a Mercedes C-class model it has most likely been manufactured with ProVis.Agent!**

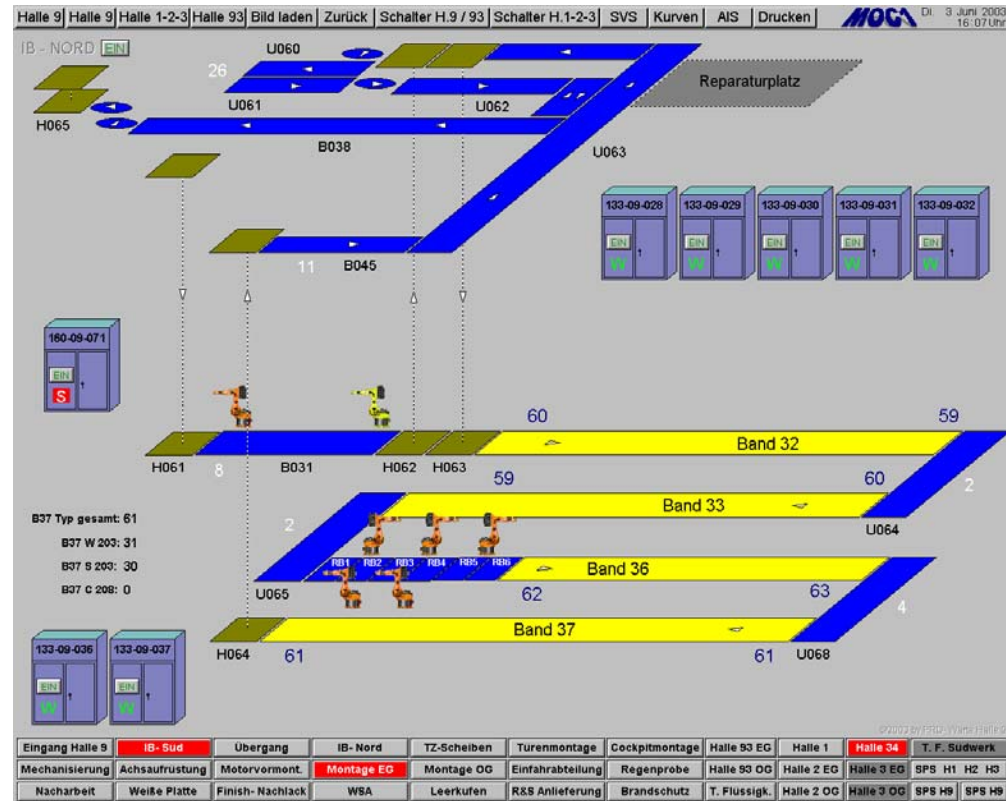




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## Production monitoring & control means

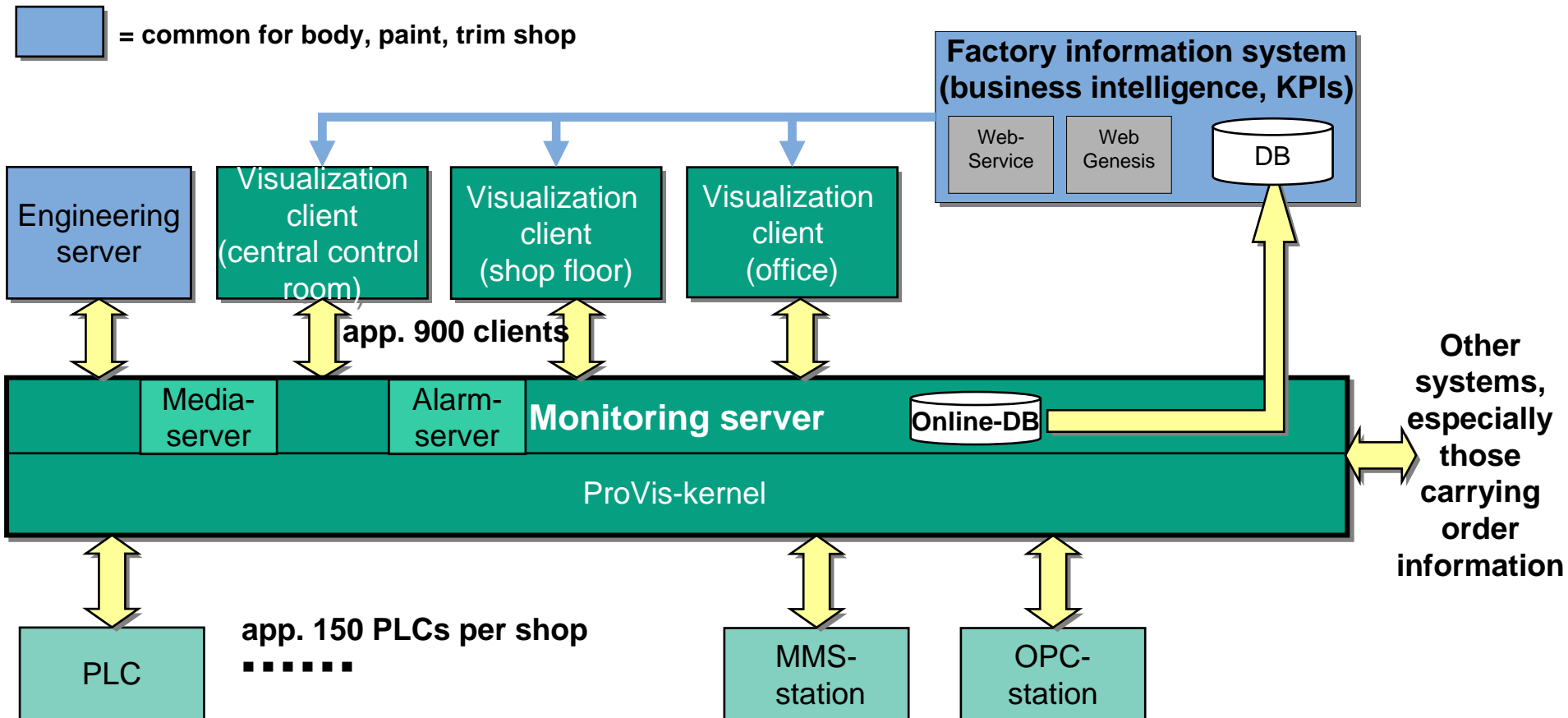
- the factory at a glance
- status of facilities in real time
- current users: DC Bremen, Wörth, Sindelfingen, ThyssenKrupp Steel, Duisburg



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## Features:

- Runtime-system (ProVis-kernel)
- Visualization (ProVis.Visu)
- Factory information system (ProVis.PAULA)
- Engineering system
- Online-simulation system

## Software basis:

- Windows XP or Server 2003
- C++, C#
- Agent platform JADE
- OPC servers and clients by IITB
- source code completely owned by IITB

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## Perspectives for further developments

- **plug-and-work mechanisms for manufacturing facilities**
- **car body tracking**
- **3D-Visualization**
- **Web-based visualization**



## Requirements concerning the Transfer Business:

- We are looking for: sales partners or direct customers outside the DaimlerChrysler corporation; sales partners may also be system integrators who will do 1<sup>st</sup> and 2<sup>nd</sup> level support; 3<sup>rd</sup> level support and software development by IITB
- We want to achieve: licensing