advanced clean production
Information Technology AG

*Be a step ahead! **IT** your fab!*

Company Presentation

advanced clean production Information Technology AG

Overview:

- Founded in 2001 as spin off of Fraunhofer Institute of Production Engineering & Automation, Stuttgart
- 62 employees
- Locations: Stuttgart, Dresden, Timisoara, Villach
- Key Accounts in the areas
  - Photovoltaic
  - Semiconductor
  - Discrete Technology Manufacturing
  - Automotive
- Partners: FHG IPA, FHG ISE, ACI-group, Miraq LTD, DrSchenk, …
- Active member of standardization organisations (e.g. SEMI, VDI, VDMA)

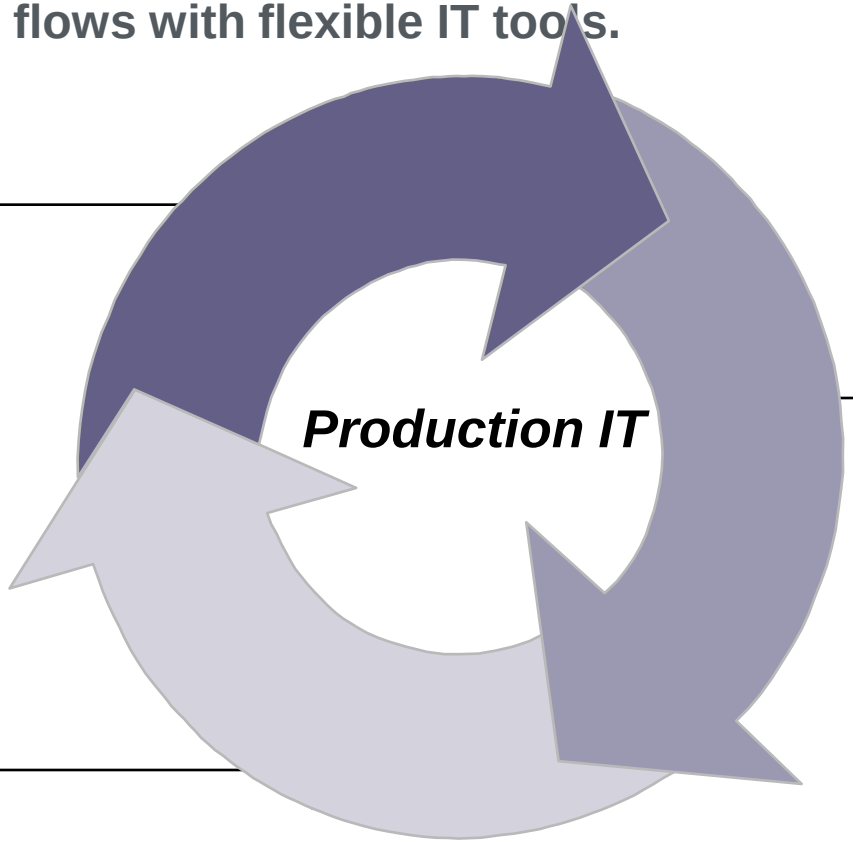
Certified according to DIN EN ISO 9001-2000

Your Partner for *Clean Production*

acp-IT is your partner in the design of lean production processes, efficient logistics and flexible information technology. Targeted is a *clean production,* i.e. optimum process flows with flexible IT tools.

Business field 1

IT Excellence



Business field 2

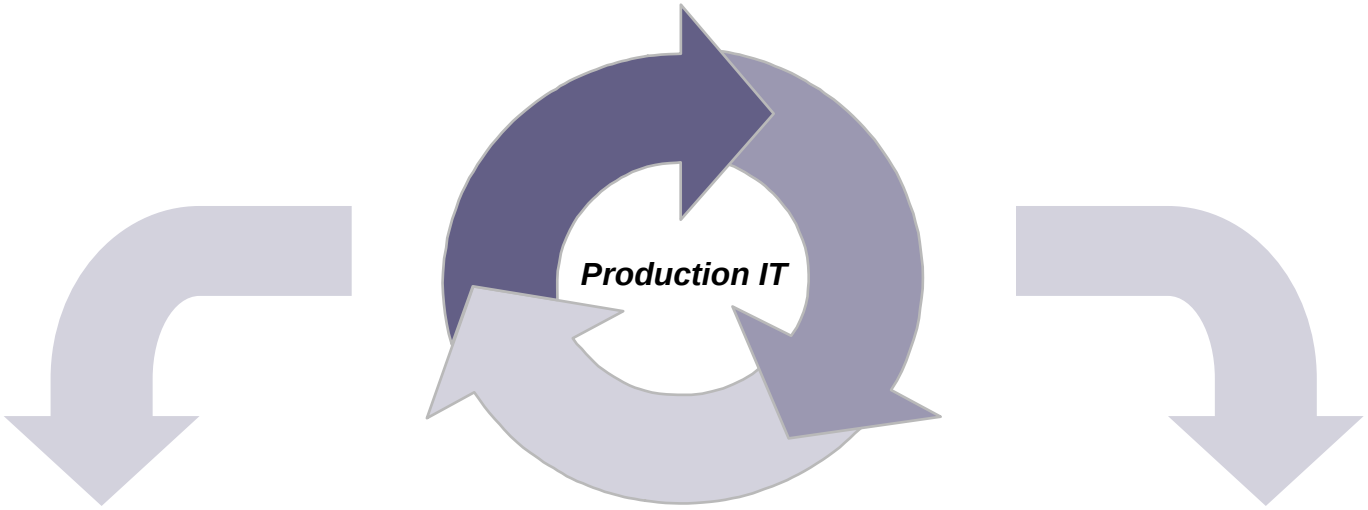
Production IT Solutions

Business field 3

Logistics & Digital Factory

Target markets of acp-IT

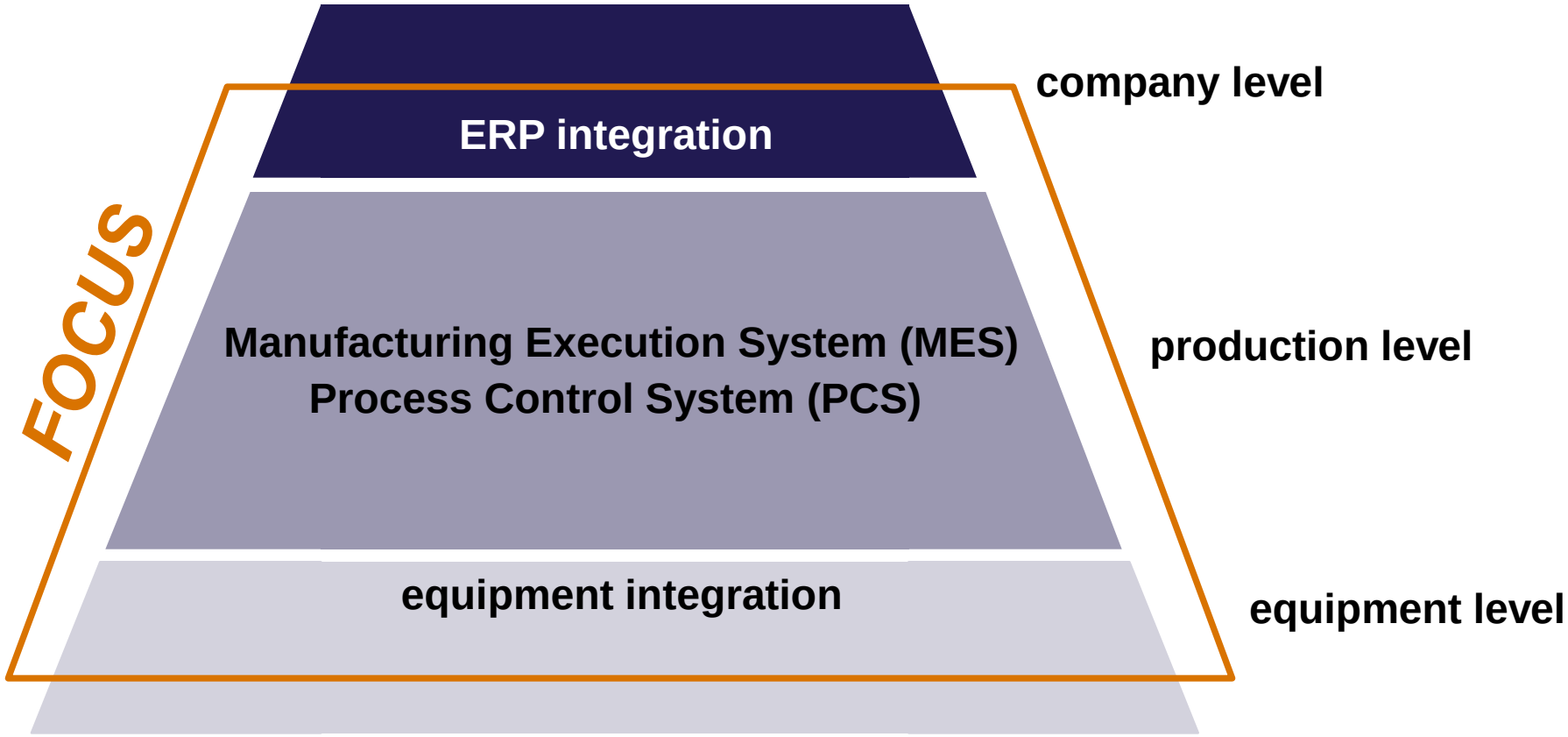
acp-IT focusses in its portfolio on clients with complex and highly automated production environments.



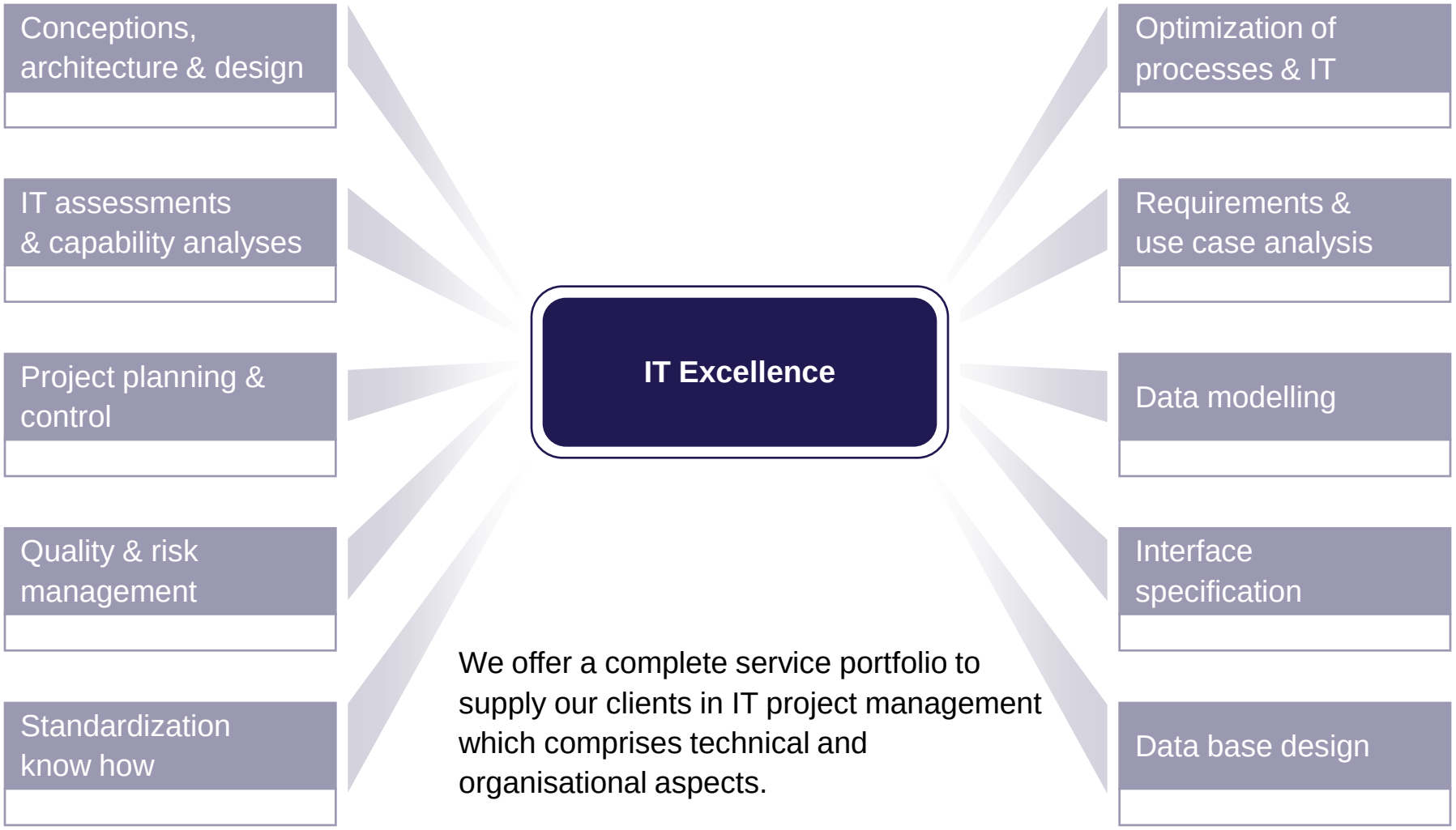
Photovoltaic	Semiconductor	Discrete Tech. Production	Automotive
• Cell Production - Polychristaline - Thinfilm • Module Production	• Frontend • Wafertest • Backend • Final Test	• PCB Manufacturing • Precision Assembly • Sensor Fabrication • Electronic Assembly	• Parts Manufacturing • Body Shop • Paint Shop • Assembly

Application range and focus of acp-IT

Our focus is on processes and systems in the area of engineering and manufacturing

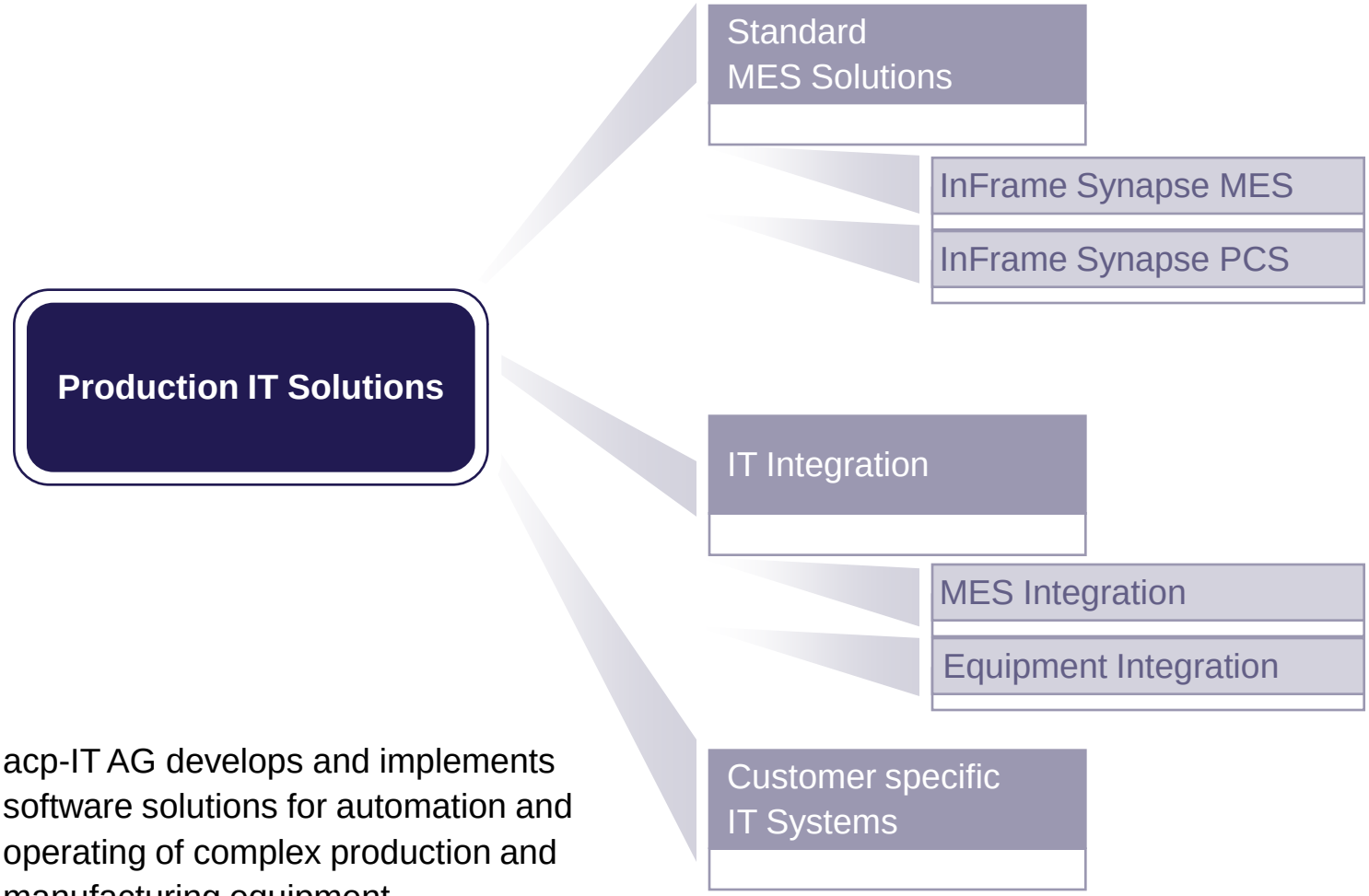


IT Excellence



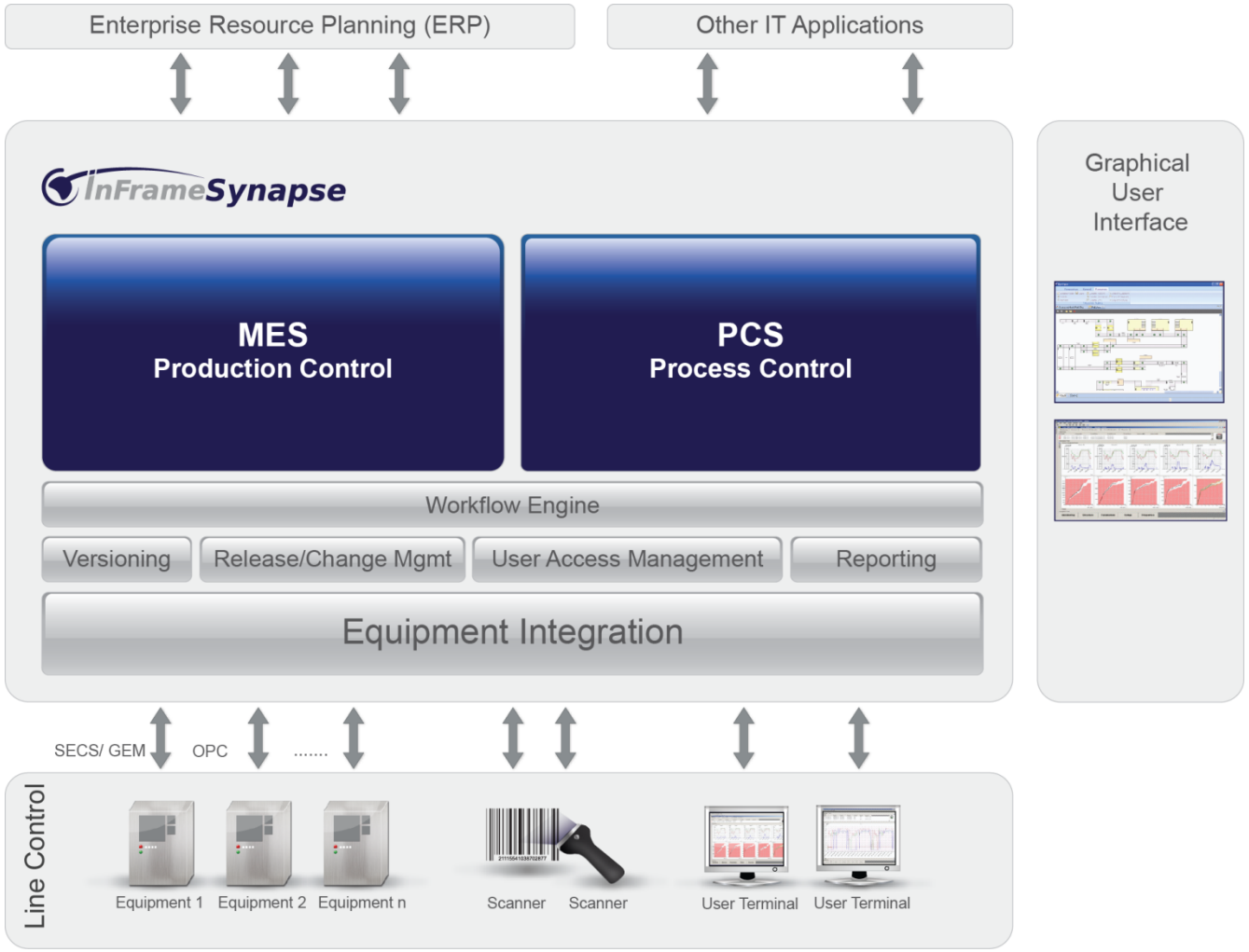
We offer a complete service portfolio to supply our clients in IT project management which comprises technical and organisational aspects.

Production IT Solutions

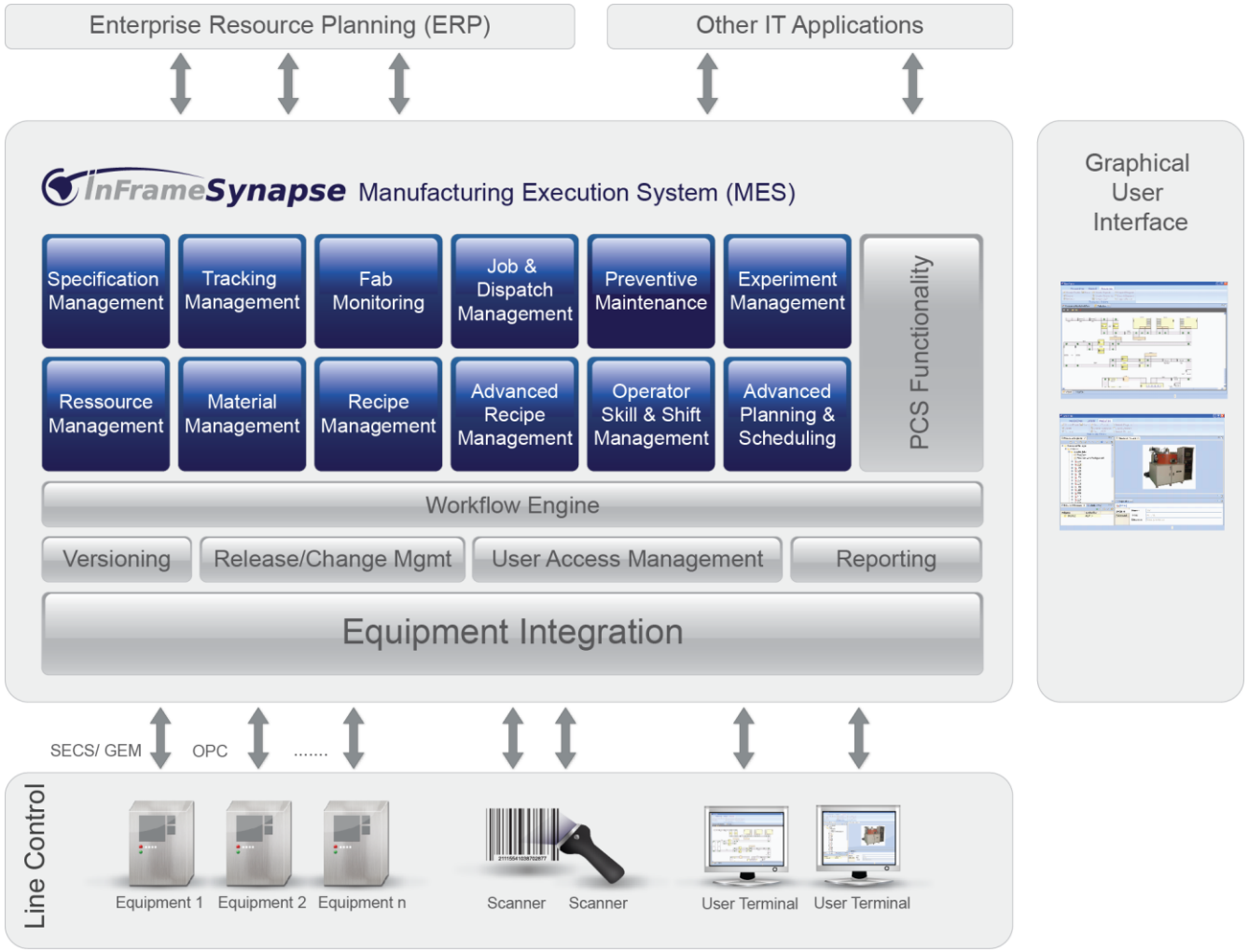


acp-IT AG develops and implements software solutions for automation and operating of complex production and manufacturing equipment.

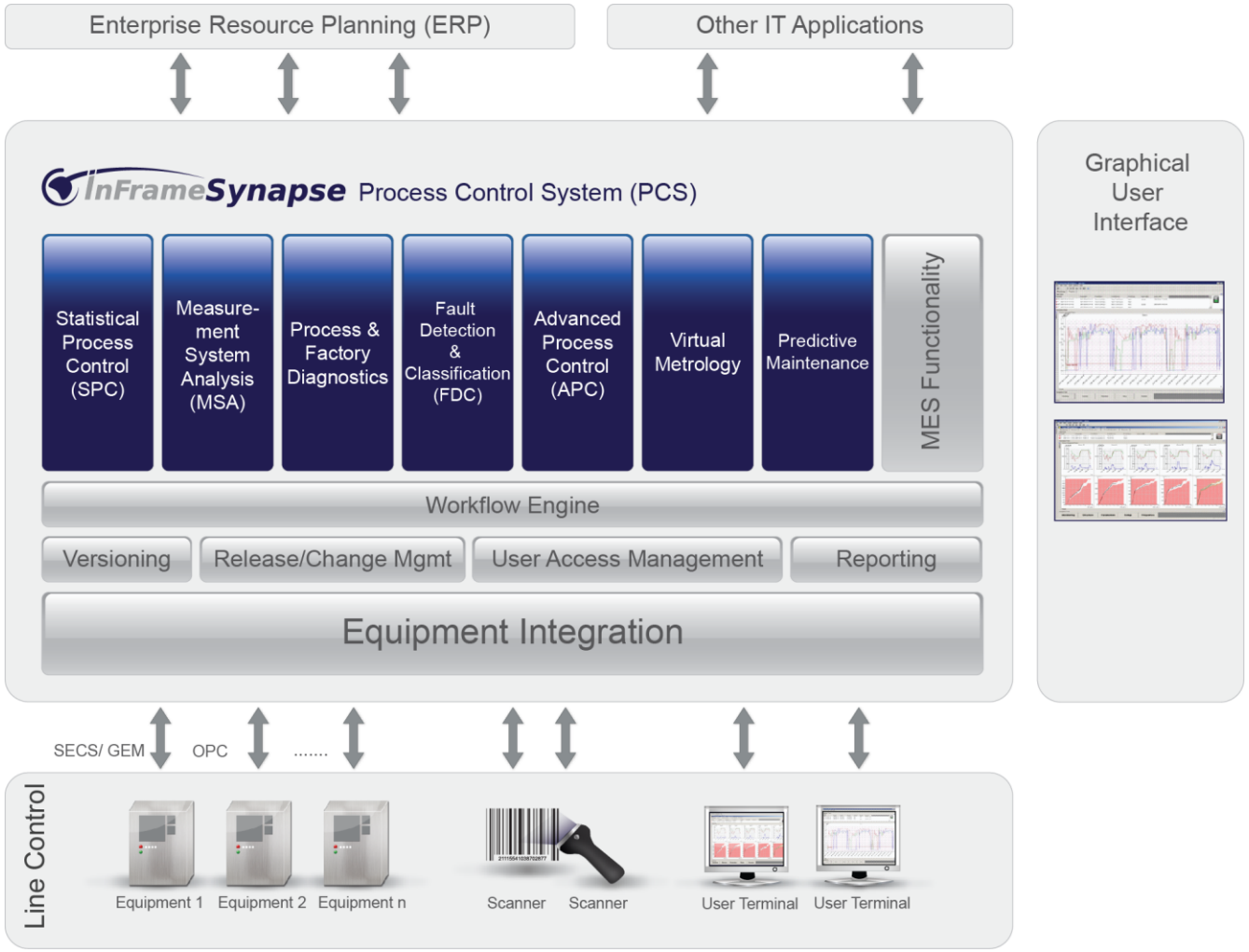
InFrame Synapse offers an Integrated Functionality for Production Control and Process Control



InFrame Synapse Manufacturing Execution System (MES)



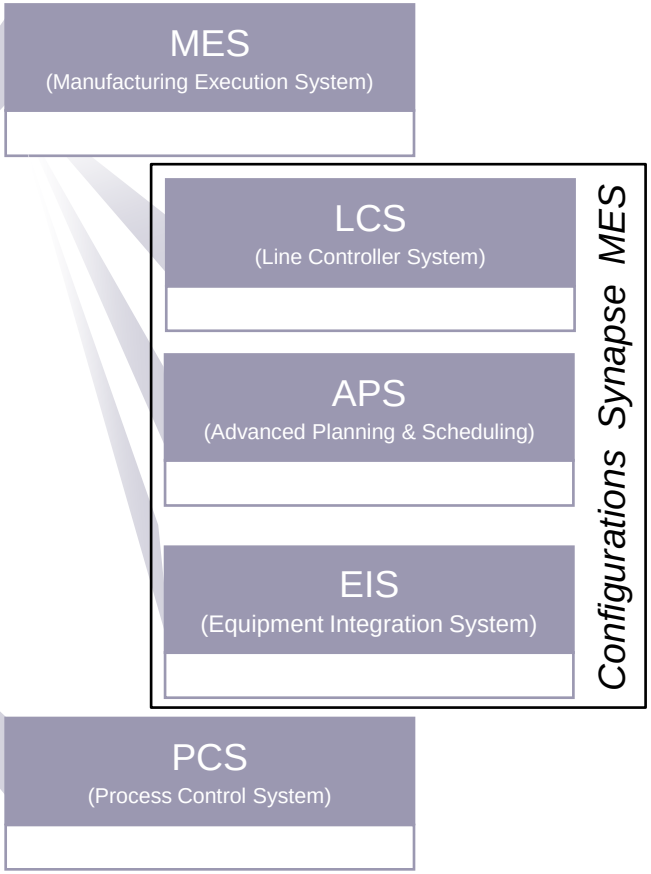
InFrame Synapse Process Control System (PCS)



InFrame Synapse Turn-Key solutions

InFrame Synapse Product familiy

InFrame Synapse is a modular product family configurable for customer specific production IT software solutions



- Products are independent
- Based on identical technologies and libraries
- Open interfaces
- Easy to adapt to customer requirements

Production IT Solutions: Life Cycle

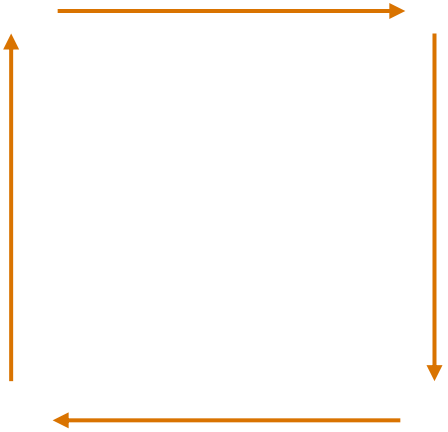
acp-IT offers the complete service from conception and planning via implementation to maintenance and support.

Consulting and Project Planning

- Requirement Analysis
- IT Concept
- Project planning

Software Design and Development

- Design
- Development
- Test
- Documentation



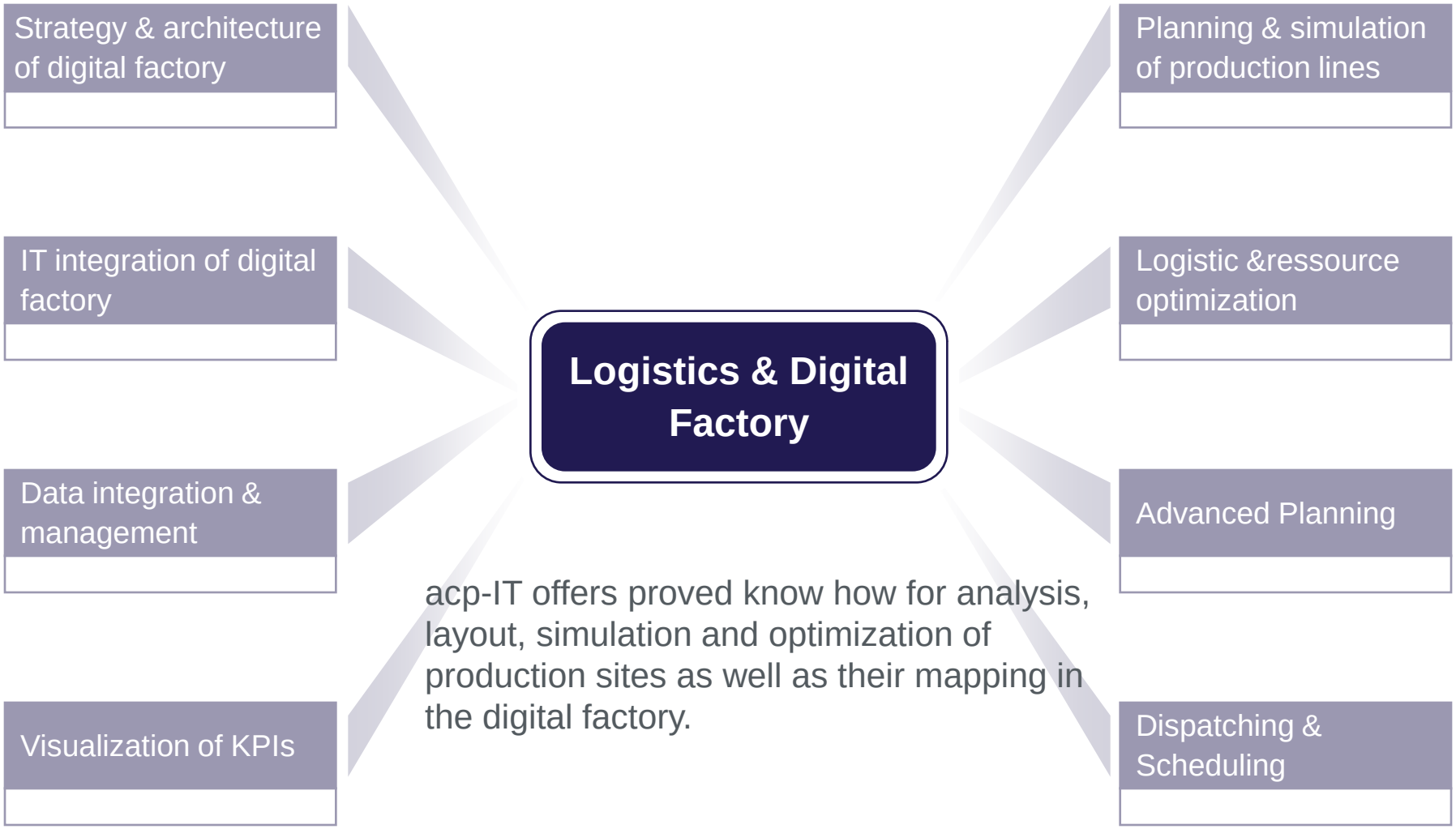
Integration and Migration

- Integration
- Training
- Ramp-Up

Support and Services

- Maintenance
- Support

Logistics and Digital Factory



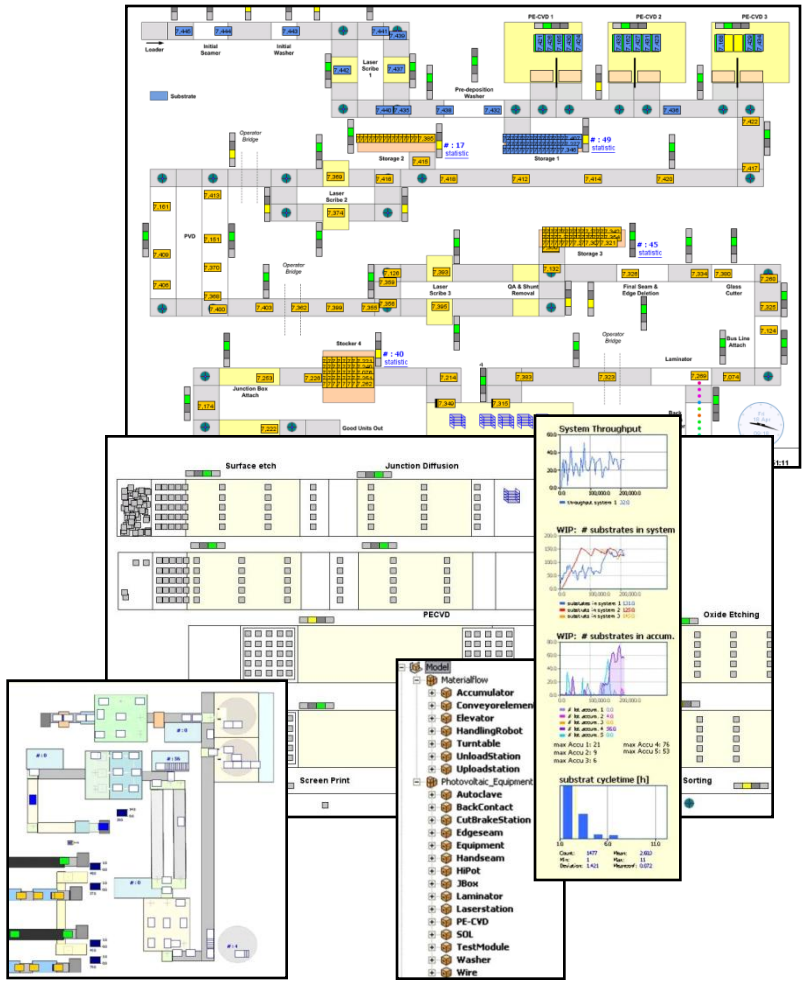
acp-IT offers proved know how for analysis, layout, simulation and optimization of production sites as well as their mapping in the digital factory.

Logistics and Digital Factory

acp-IT has developed a specific PV Library in AnyLogic™ shortening time and reducing the effort in order to create a factory base model.

AnyLogic™ Simulator is

- a powerful multi-paradigm software for material flow modelling written in Java,
- provides a highly advanced flexible animation framework,
- enables excellent data visualisation and
- has the capability to run on any Java™-enabled platform and even to make simulation runs with generated applets.



References (extract)

acp-IT AG has supported major companies in successful projects.

Information Technology

acp

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Thank you for your attention.

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