



# TOOL-EAST

**Open Source Enterprise Resource Planning and  
Order Management System for Eastern European  
Tool and Die Making Workshops**

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“Open Source Enterprise Resource Planning and Order Management  
System for Eastern European Tool and Die Making Workshops”

2nd ECOLEAD Summer School  
September 6 - 8, 2007, Prague, Czech Republic





# Project Overview



ERP-/PPC and  
open source experts



Research experts



Tool and die making  
workshops experts



INSIEL



FIR



TCS



Mayking



BIBA



TECOS



Quintelligence



Jožef Stefan Institute



Valji Štore



IT Partners



Herti



Procesna



ZMM Metalik



Kuhn Technology



EMO ORODJARNA



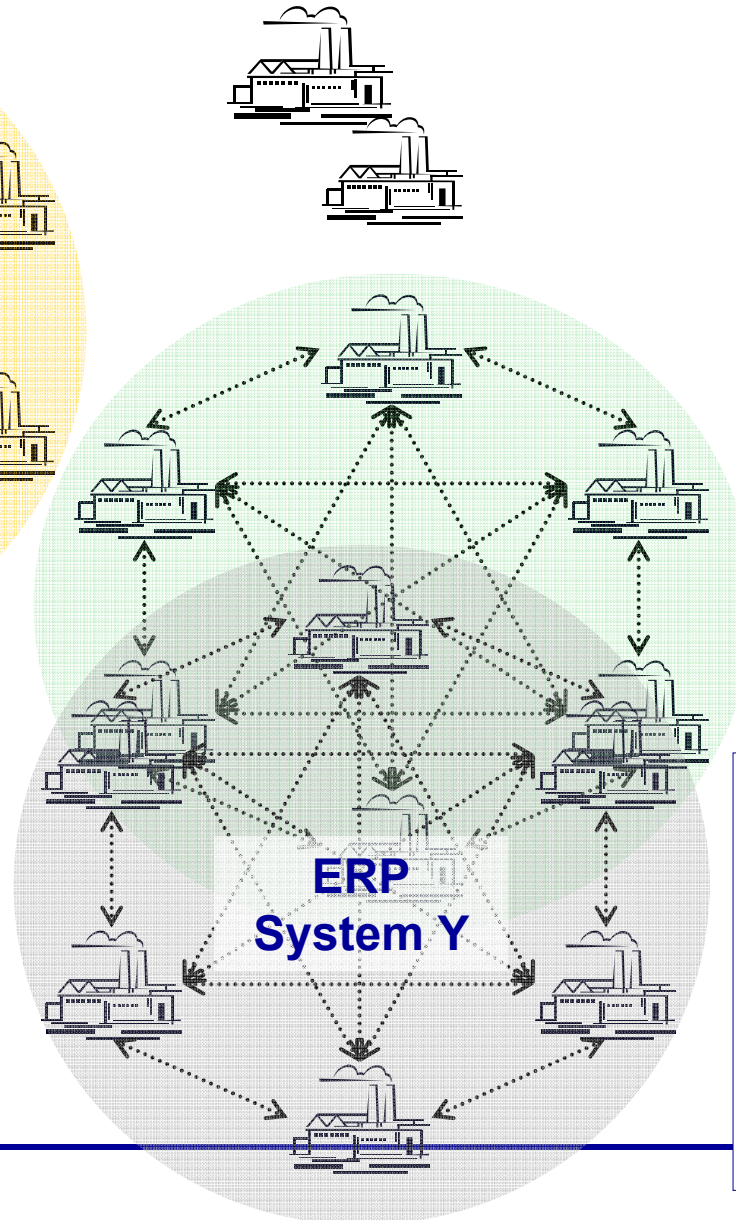
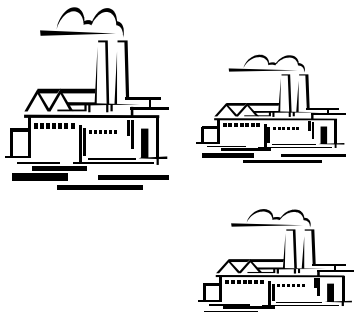
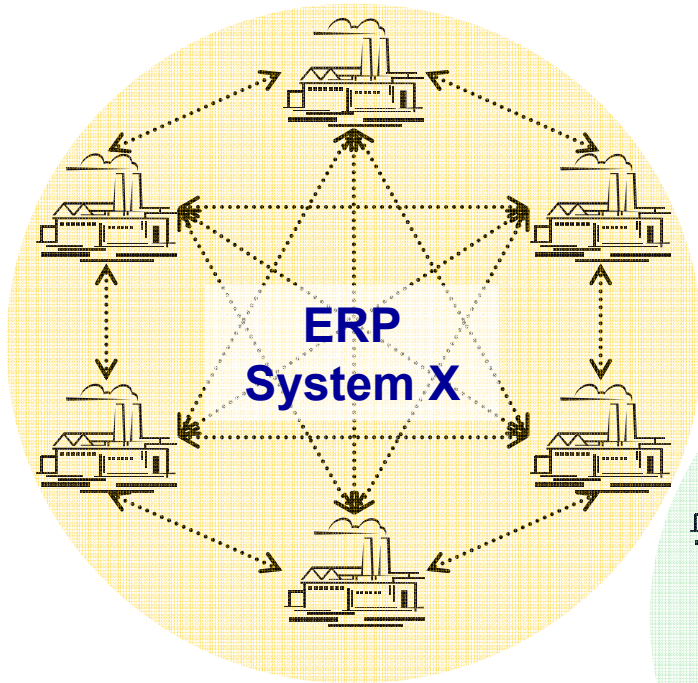


# Tool-East Vision and Overview





# Problem Statement



## ERP System Z

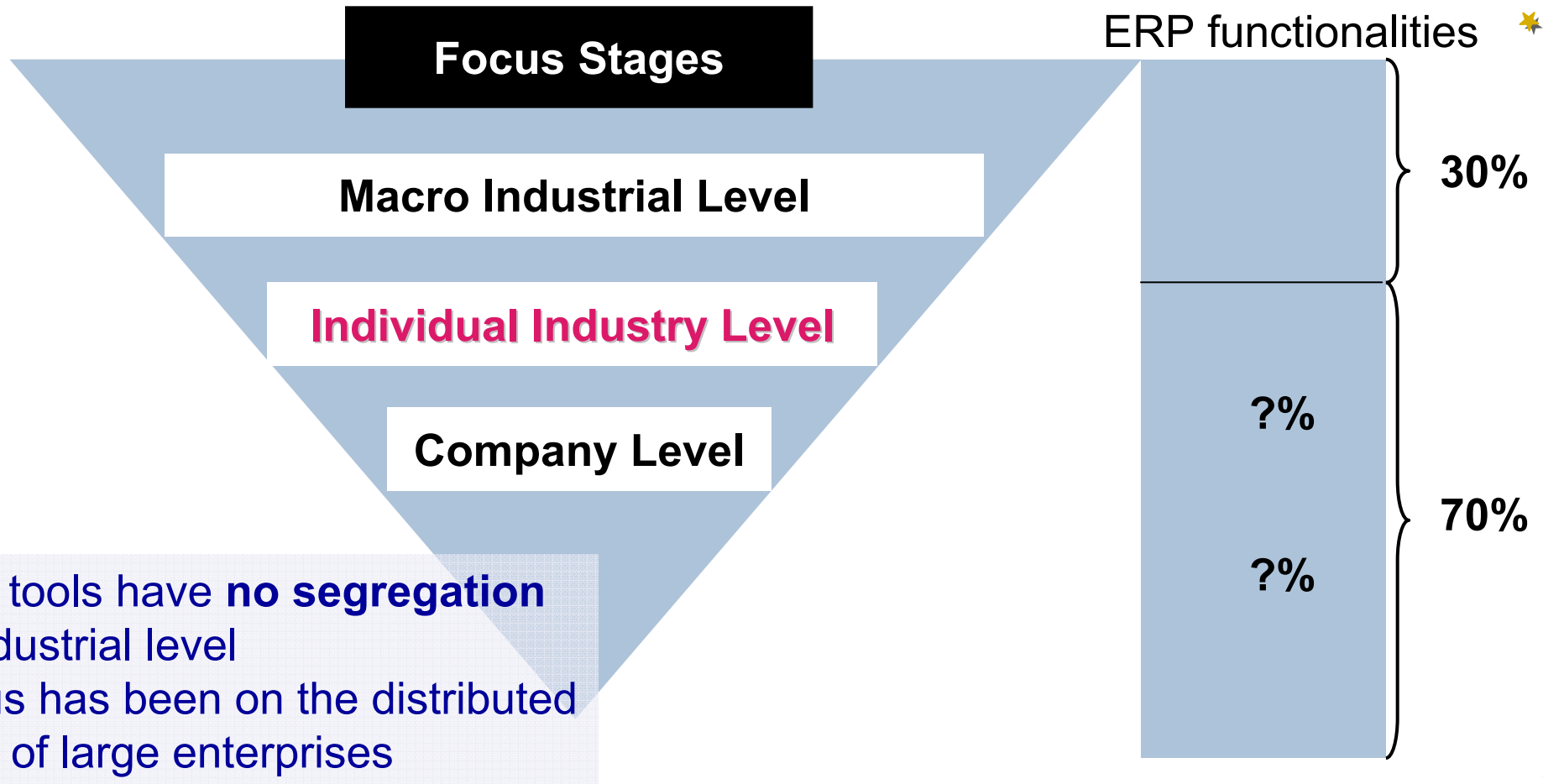


### Disadvantages

- Administrative expenditure and cost
- Isolated structure
- Lack of software flexibility
- Insufficient support of business
- Operating cost are too high



## Introduction (Hierarchical focus for research)



- ERP tools have **no segregation** at industrial level
- Focus has been on the distributed units of large enterprises



Analysis of current industrial needs

- Lack of affordable ERP applications for SMEs
- Existing ERP solutions do not support common platforms

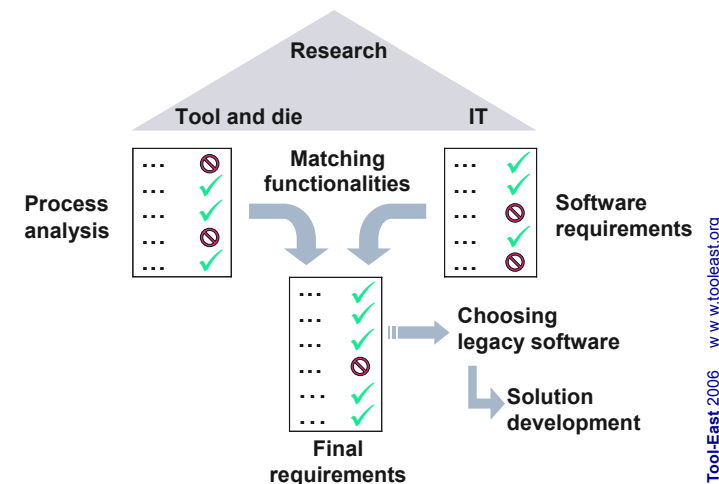


# Objective overview



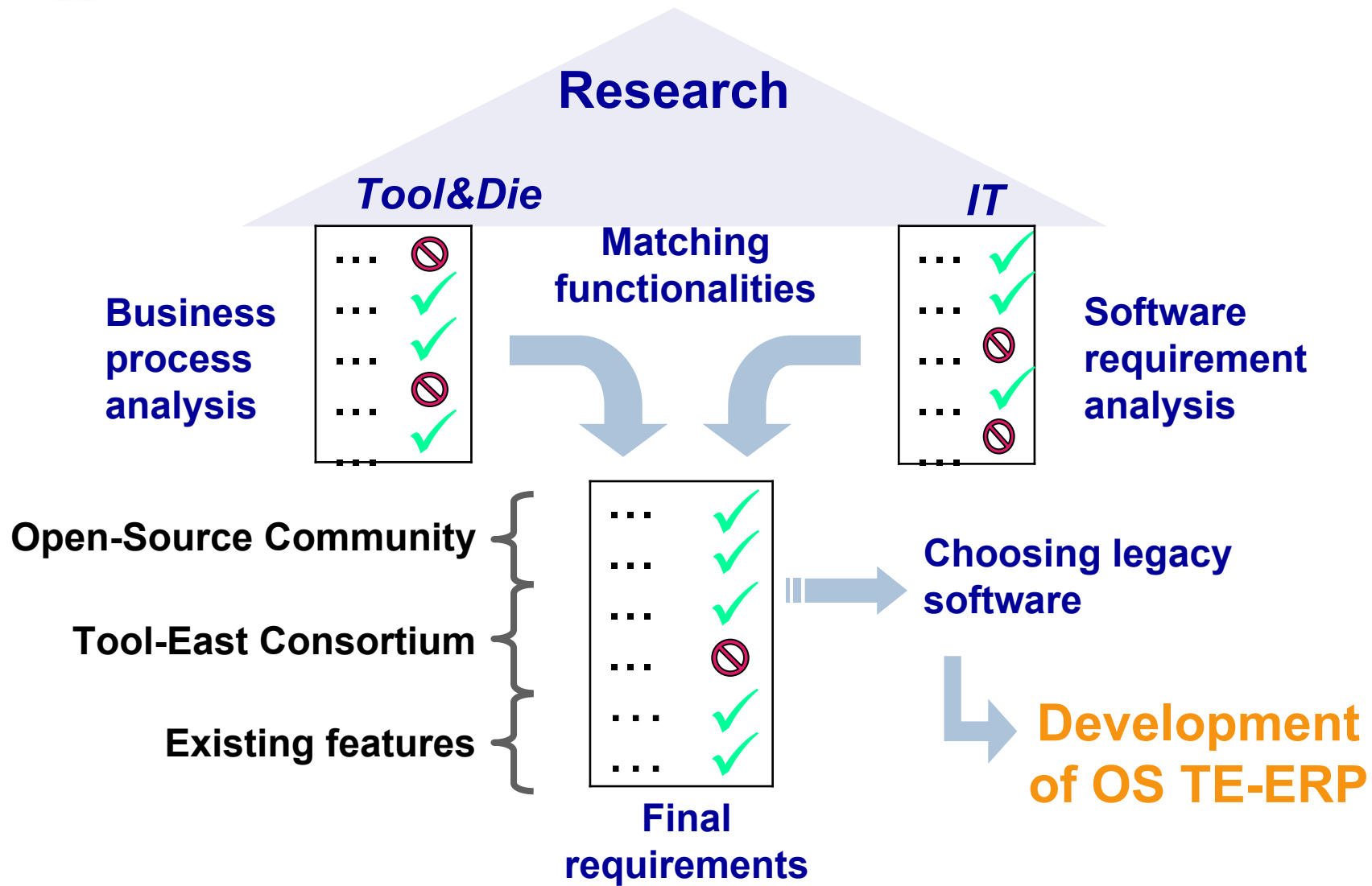
- ✓ **Module I :** Definition of a generic **business process model** for Tool-and-Die making workshops
- ✓ **Module II :** Open source software **architecture and application development**
  - Adaptation and improvement of one existing open-source ERP solution;
  - Development of another new open-source ERP application is not ambition
- ➡ **Module III :** **Standard interfaces** for open-source applications
- ➡ **Module IV :** **Customised training and education**

- ✓ Achieved
- ➡ Next steps



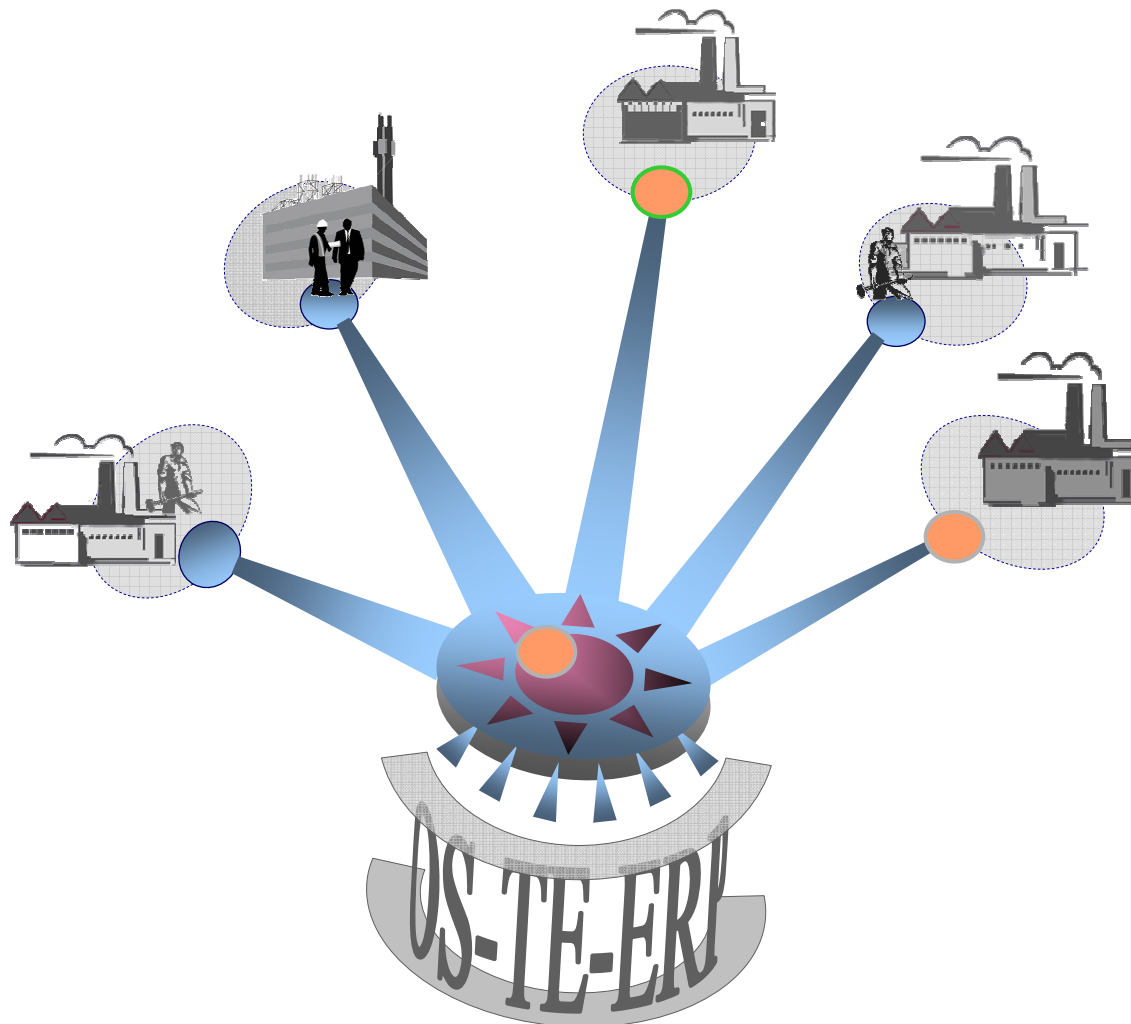


# Project Status - Technical





## IT Focus: Process flow



### Specification

- Web services driven application
- Inter platform communication
- Open source application
- Consistent customer orientation



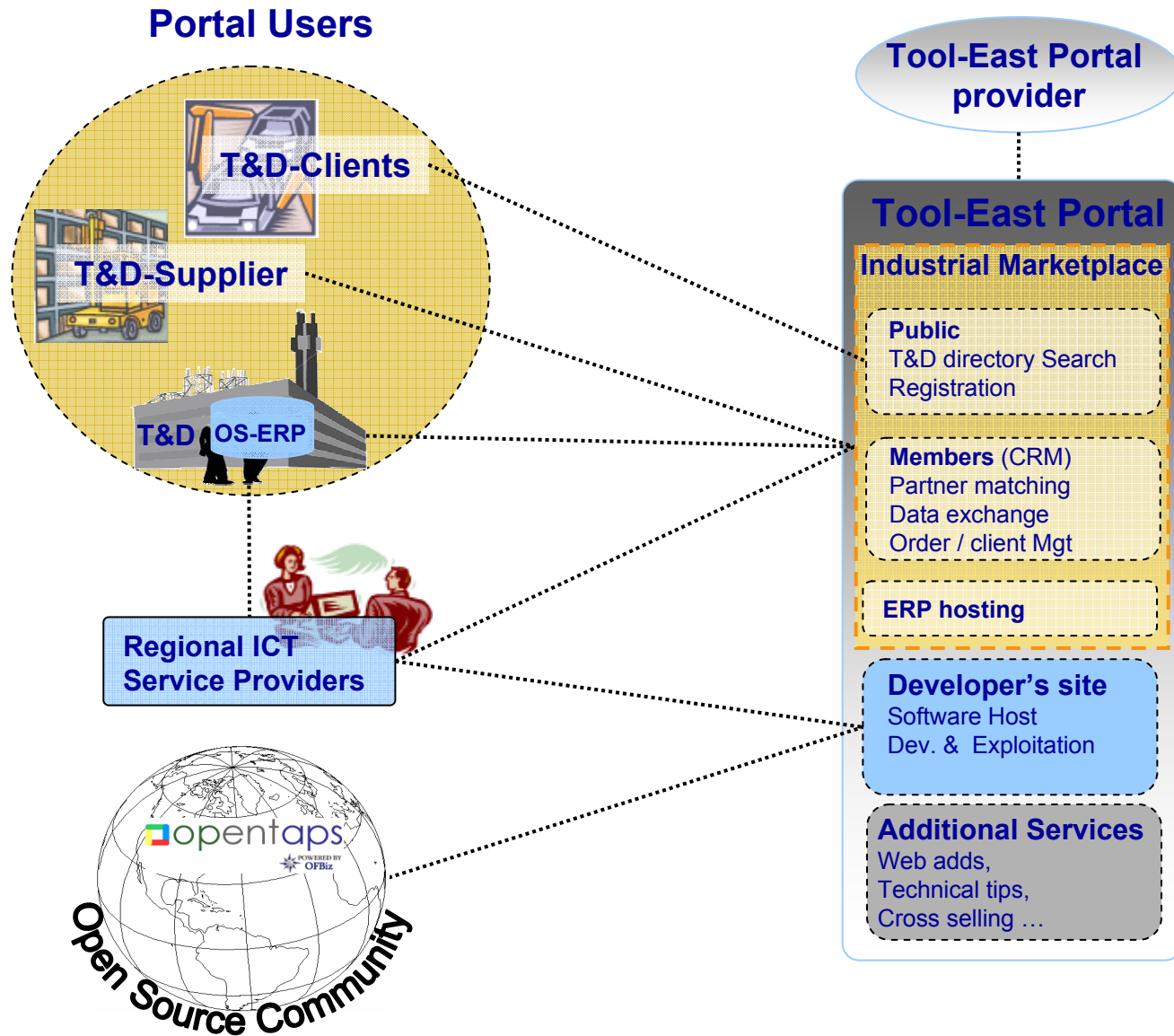
### Advantages

- Common standardized interface
- Smooth sync in & sync out
- 1 to 1, 1 to many & many to many communication channels
- Flexibility of use and development



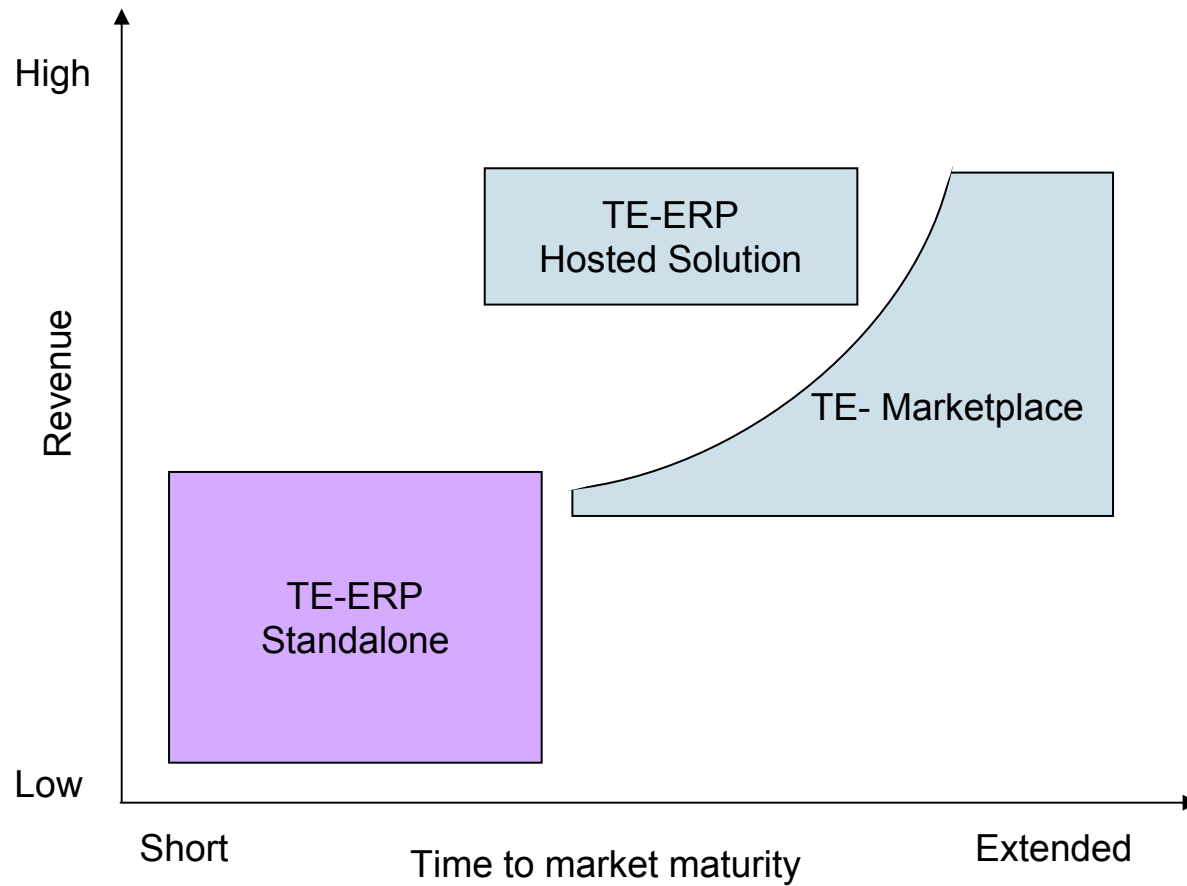


# Tool-East Scenario Overview



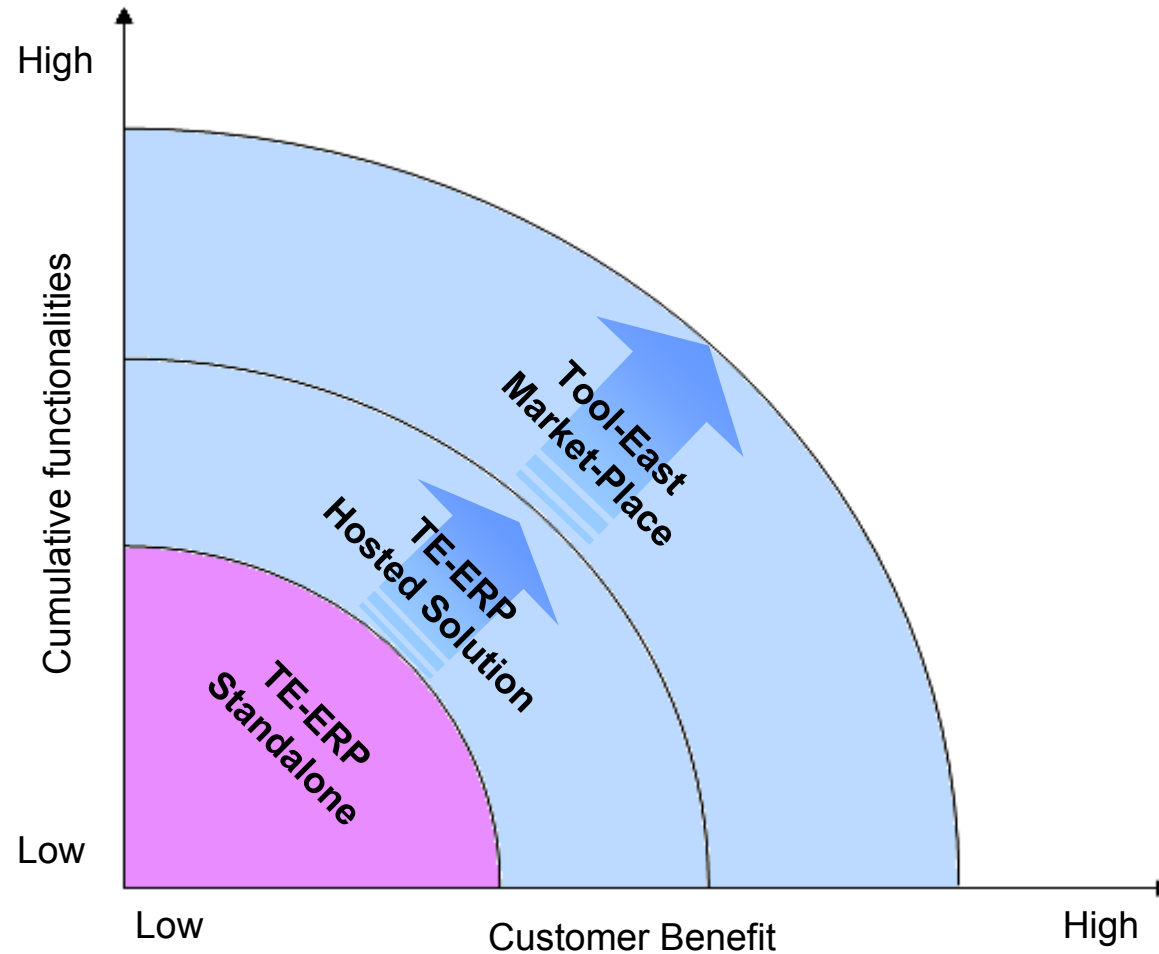


# Time to market maturity of revenue streams





# Commutative functionalities to user benefits

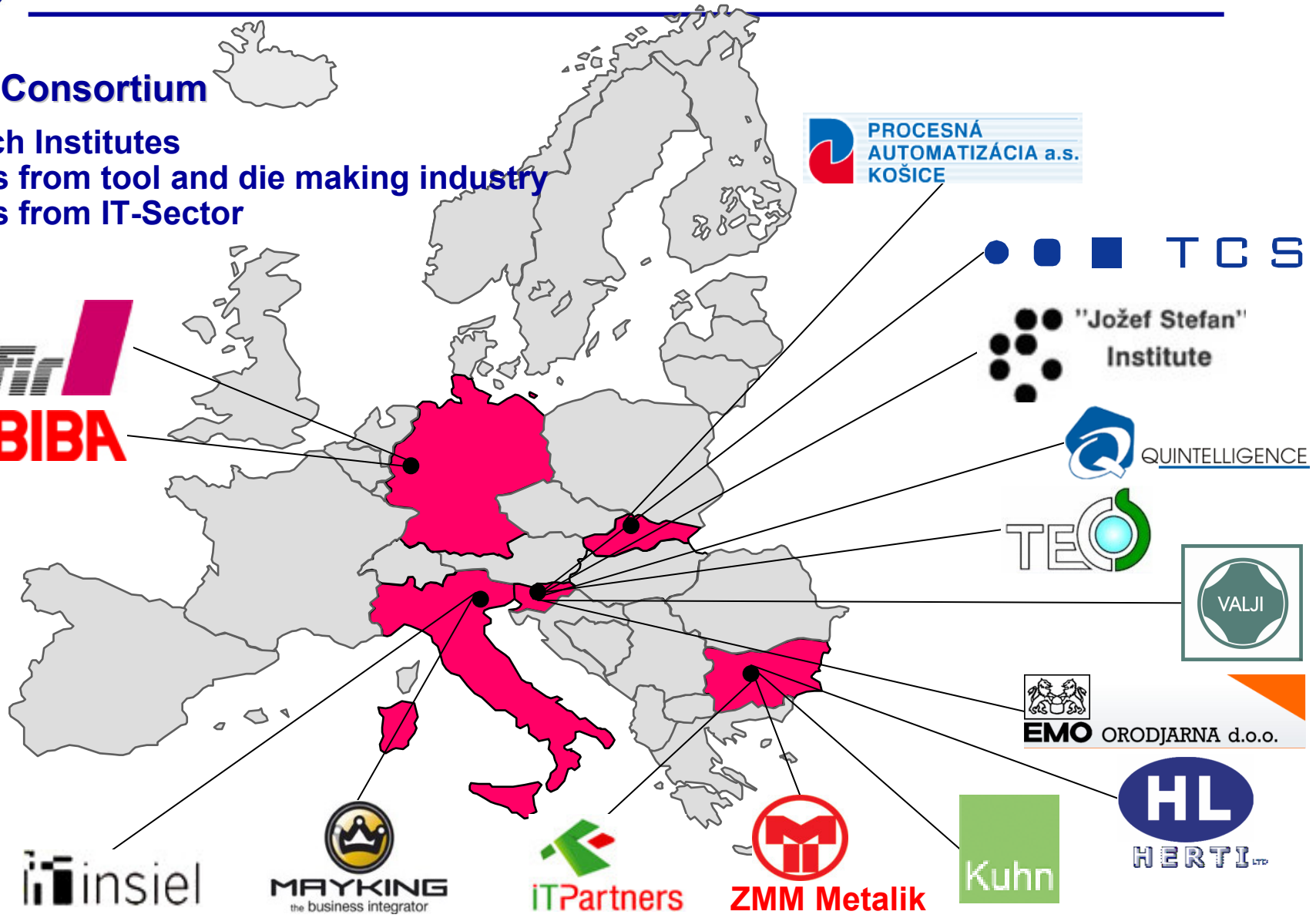




# Tool-East Consortium

## Tool-East Consortium

- 3 Research Institutes
- 7 partners from tool and die making industry
- 5 partners from IT-Sector





## Contact

# Thank you for your attention.





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...or visit the project website under  
[www.tooleast.org](http://www.tooleast.org)