

SAP NetWeaver Process Integration

Brief Overview

Platform Solution Marketing
SAP

Why Process Integration?

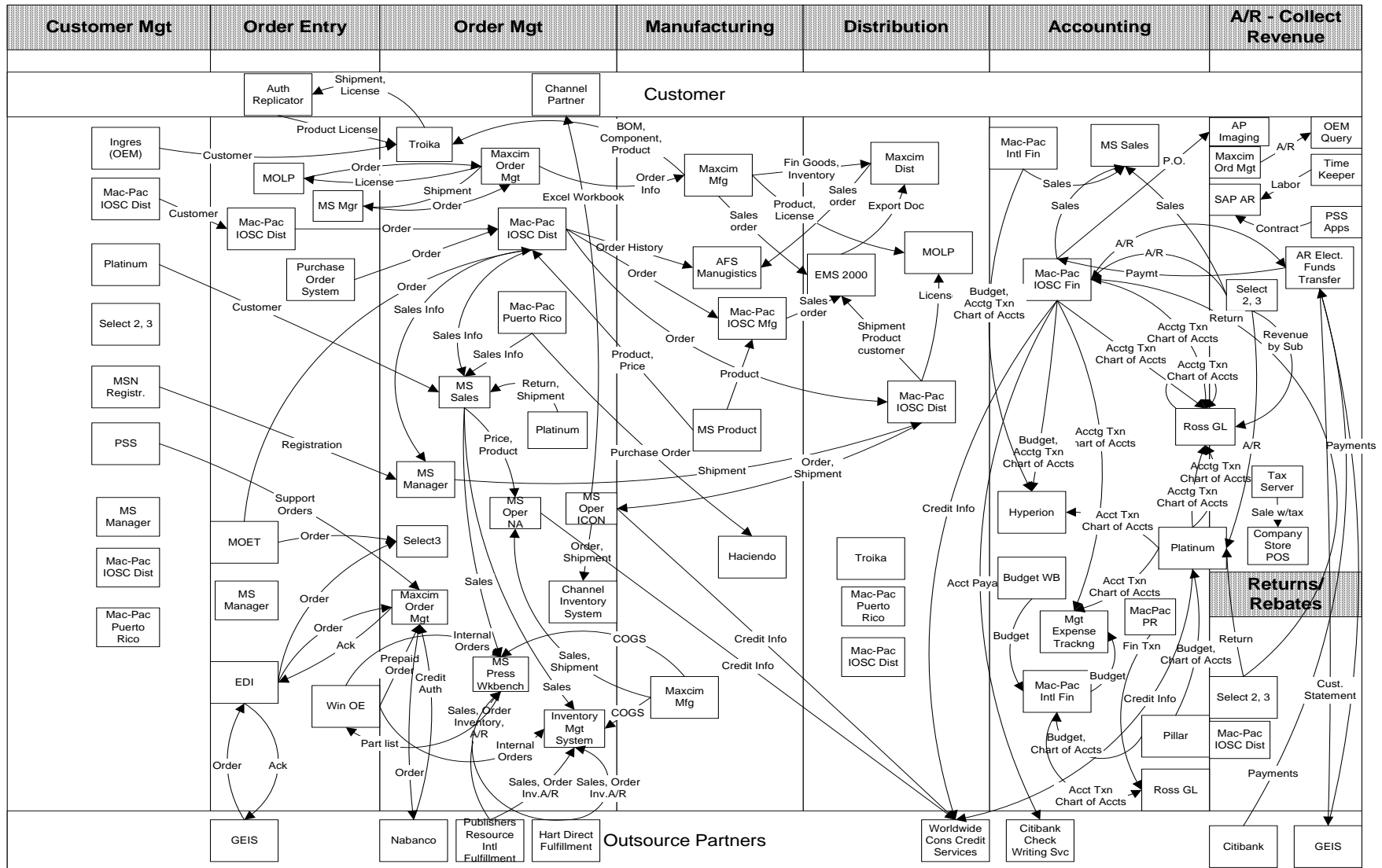
- Communications Complexity
- Cost Drivers

SAP NetWeaver Process Integration

- Advantages
- Scenarios
- Architecture
- Relation to other components
- Return of investment

References

Why Process Integration?

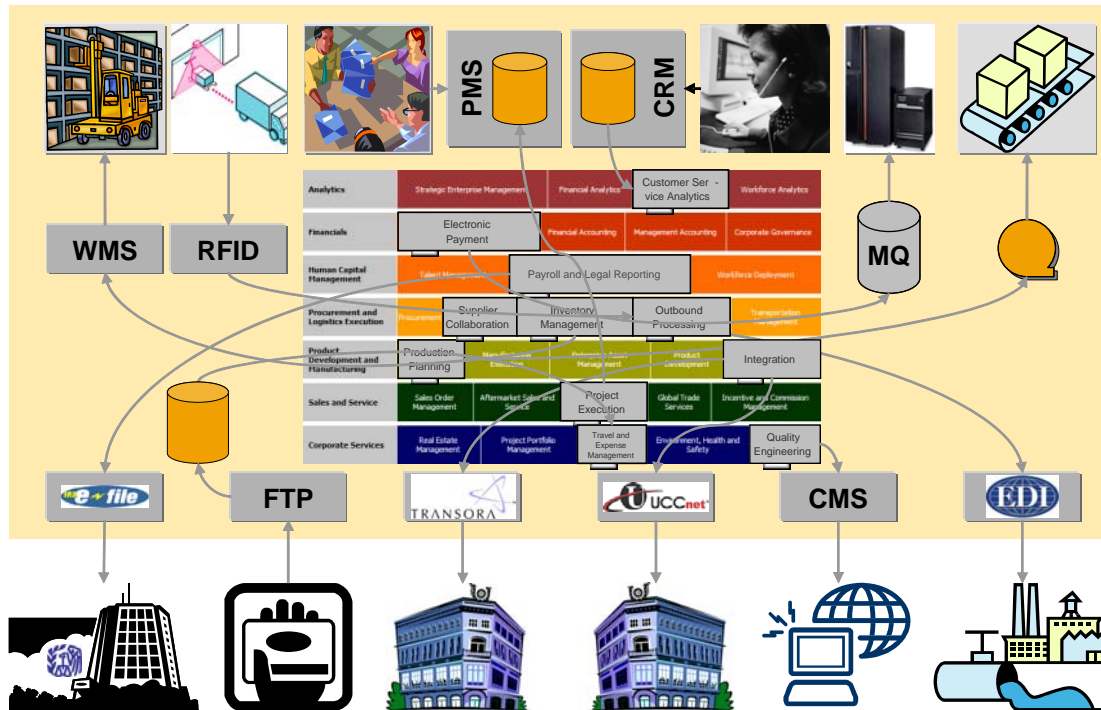


Courtesy Ferrero S.p.A.



Process Integration Cost Drivers

Prohibitive interface costs
 Prohibitive operations costs
 Prohibitive management costs



Interface Management

Point to point
 Various technologies
 Redundant metadata

Message Management

Many places
 Many formats
 Many meanings

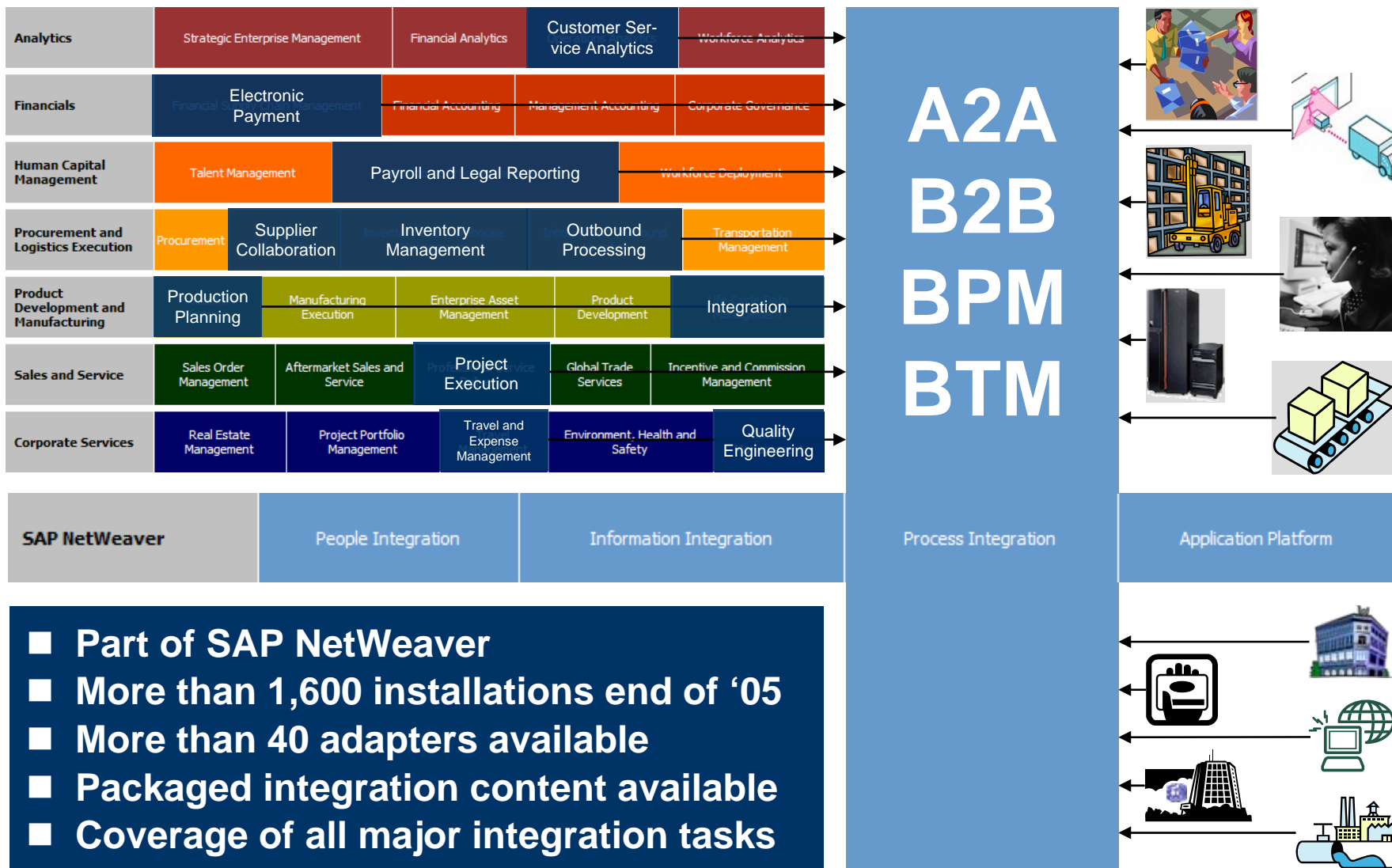
Process Management

Partly manual
 Partly in applications
 Partly via interfaces

Party Management

Security
 Protocols
 Formats

Integration Consolidation with SAP NetWeaver



Application-to-Application Integration (A2A)

- Message brokering, adaptation

Business-to-Business Integration (B2B)

- Message brokering, connectivity
- Industry standard partner integration

Business Task Management (BTM)

- Automate collaborative tasks and workflows across the enterprise

Business Process Management (BPM)

- All levels from business modeling down to execution

Service-oriented Architecture (SOA)

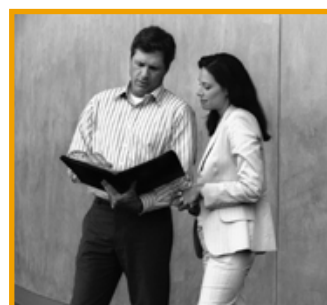
- Service repository, enablement and orchestration for
Enterprise Services Architecture

Process Integration Components



Partner Connectivity Kit

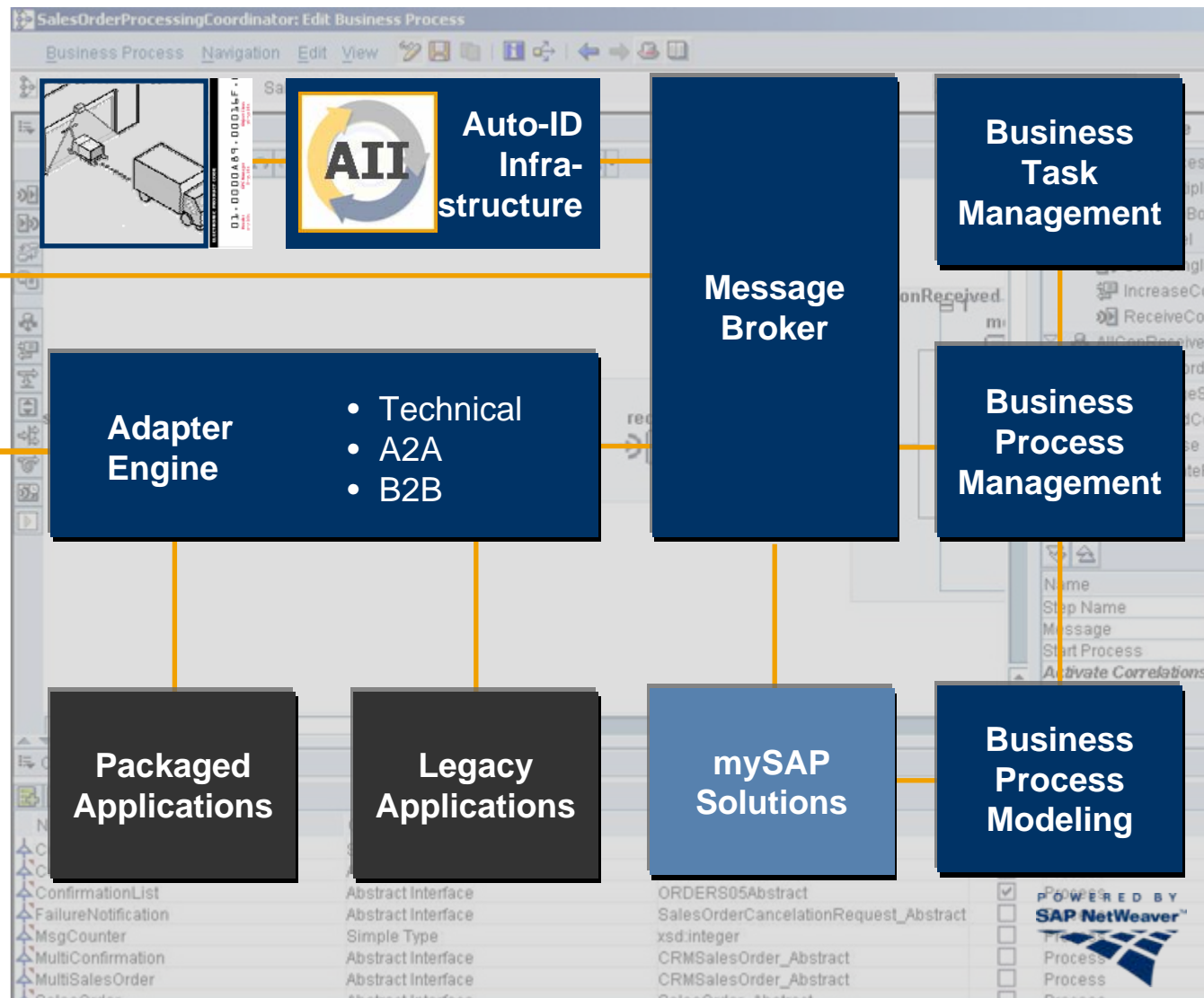
Suppliers



Business Partners



Trading Communities



Integration Product Checklist

Categories Courtesy Jess Thomson, Research Director, Gartner Research

Functionality	Coverage in SAP NetWeaver
Transformation	✓ Java & XSLT, graphical mapping editor
Flow Management	✓ Integration scenarios, graphical flow editor
Business process management	✓ Business, configuration and execution models (BPEL)
Adapters and PIPs	✓ Adapter framework (JCA), >40 adapters, certified content
B2B capabilities	✓ Partner configuration, adapters, business packages
BAM	✓ Monitoring & business reporting integrated with SAP BI
Openness	✓ Standards-based, Web services, XML, Java
Quality of service	✓ Various QoS levels for messaging
Data navigation	✓ Metadata repository, common format XSD

Business Intelligence

- Real-time external data feed
- Source for analytical events

Enterprise Portal

- User interface for BTM, integrated tasks, forms, objects

Master Data Management

- Real-time external data access
- Global data synchronization through B2B standards (e.g. 1SYNC)

Application Server

- Use of deployment infrastructure (scalability, load-balancing, failover)

Development Infrastructure

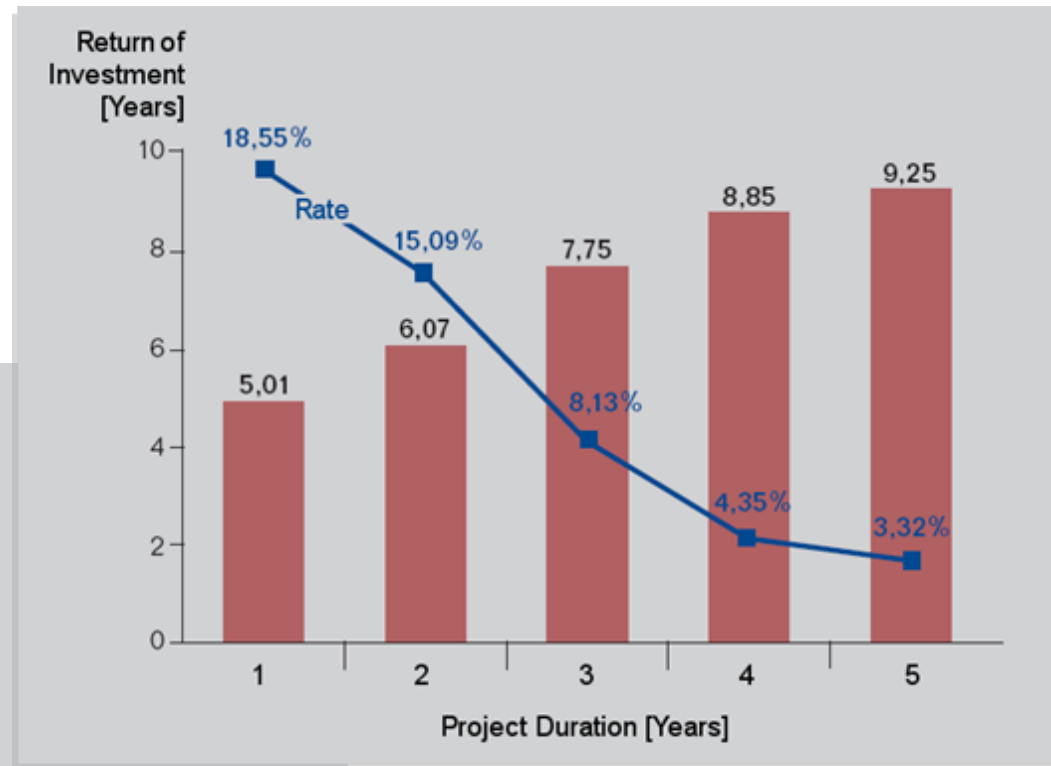
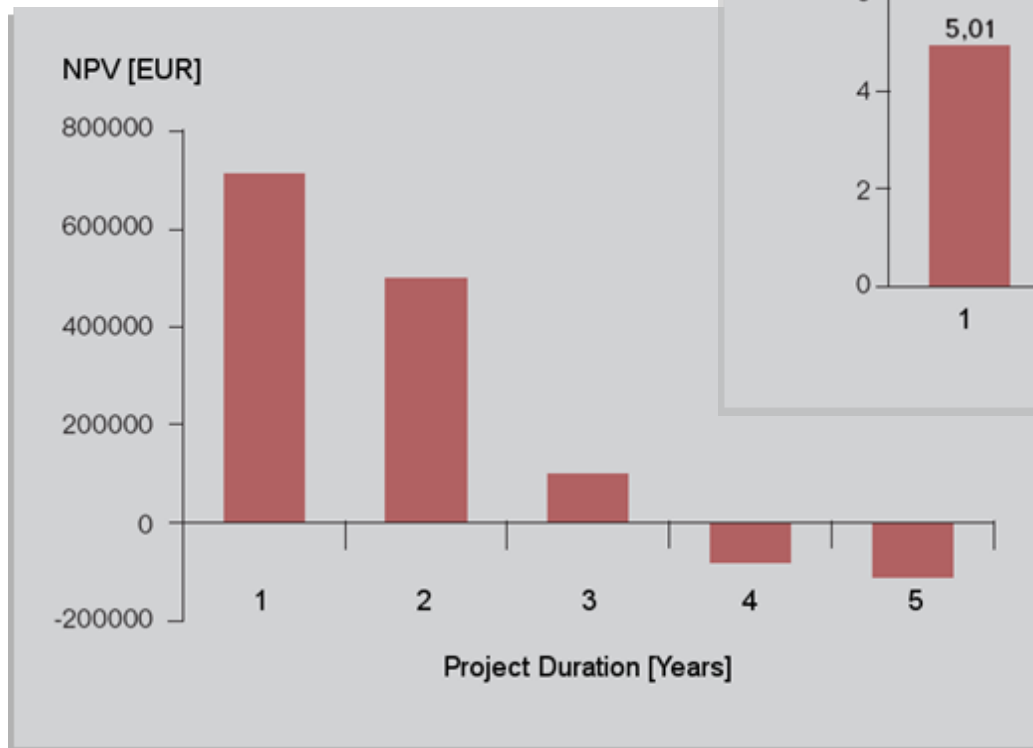
- Code lifecycle and distribution management

Solution Manager

- System landscaping, process documentation and configuration

It Pays for Itself – If You Move Quickly!

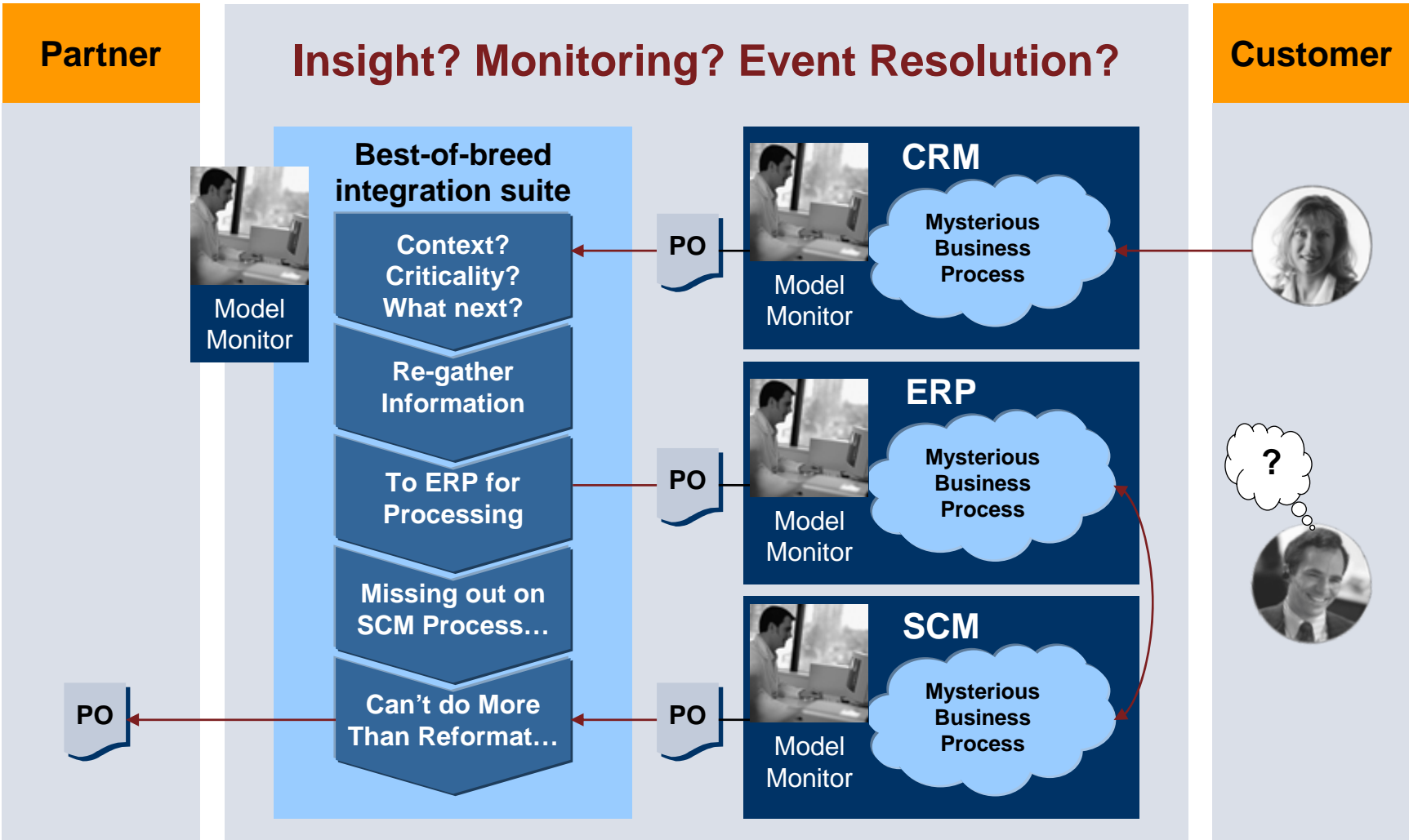
- **130+ interfaces**
- **Dramatic cost reduction**
 - >70% interface maintenance
 - >30% interface development
- **No business benefits taken into account**



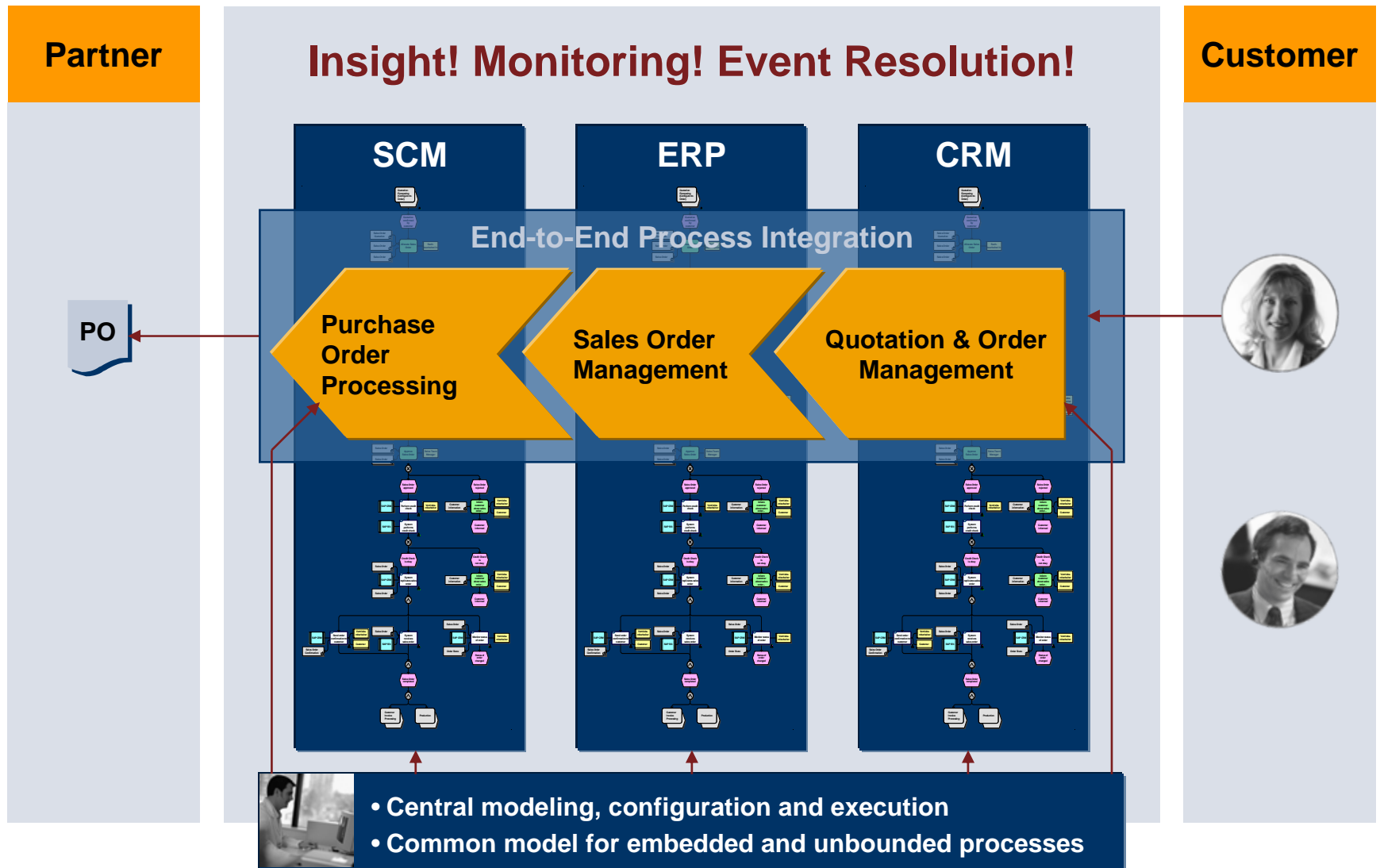
- **Utilities industry**
- **Before:**
 - Custom point-to-point interfaces
 - No integration technology
- **SAP & non-SAP systems**

Study by SAP Business Consulting, 2005

The Dilemma with Pure-Play Integration Technology



The Solution with SAP NetWeaver Process Integration



Cognis Deutschland GmbH & Co. KG



Globally, Cognis is a leading specialty chemicals company. Cognis develops innovative products and solutions for personal care, home care and modern nutrition.

Business challenge

- Connectivity to external partners through a single global platform
- Ordering through Elemica, the chemical industry's electronic marketplace

Solution provided

- SAP NetWeaver Exchange Infrastructure (integration platform)
- SAP Business Package for CIDX (process and mapping templates, adapters)

Benefits achieved

- Reduced order management cost through concentration and standardization
- Single, global platform for e-business connectivity

ATI Technologies



A world leader in the design and manufacture of innovative 3D graphics and digital media silicon solutions, ATI Technologies Inc. is a fabless company requiring premier electronic integration with fabrication partners.

Business challenge

- Connectivity to external partners through a single global platform
- Decrease latency between Asia-Pacific and North America

Solution provided

- SAP NetWeaver Exchange Infrastructure (integration platform)
- SAP Business Package for RosettaNet (process/mapping templates, adapter)

Benefits achieved

- Reduced cost of supplier management through improved visibility
- Single, global platform for e-business connectivity

Solid adoption

- ◆ 70% year-to-year installation growth
- ◆ >180 customer references
- ◆ >40 customer success stories
- ◆ >50 SAP solution scenarios (content – ERP, CRM, SRM, ...)
- ◆ Partners use it and certify for it (adapters, content, ...)

Solid roadmap

- ◆ Synchronized service packs, back-ports of NW04s
- ◆ New features like BAM, event management, guided procedures, ...
- ◆ Foundation for ESA – services repository, orchestration and composition

SAP NetWeaver Process Integration
paves the way today
towards an Enterprise Services Architecture