

EVN:

**Simplifying SAP Integration
Using a Model-Driven Approach**

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EVN

Topics

- About EVN, utility business
- IT strategy, role of integration
- Finding the right solution
- Experience so far
 - Lightweight, rapid SAP integration
 - Integration Competence Center (ICC)
 - Multi-country rollout

EVN Group, Utility Market

- EVN Group
 - 10,000 employees
 - € 2,397m revenue in 2007
 - Central, Eastern and South-Eastern Europe
- Market challenges
 - Continuous expansion of business segments
 - Market rules require high flexibility



About EVN IT

- 150 staff total, 65 in Austria
- 600 servers total, 350+ in Austria
- 5,000 workplaces
- 290,000 transactions per month
- 150+ interfaces
 - SAP BC and PI
 - E2E Bridge

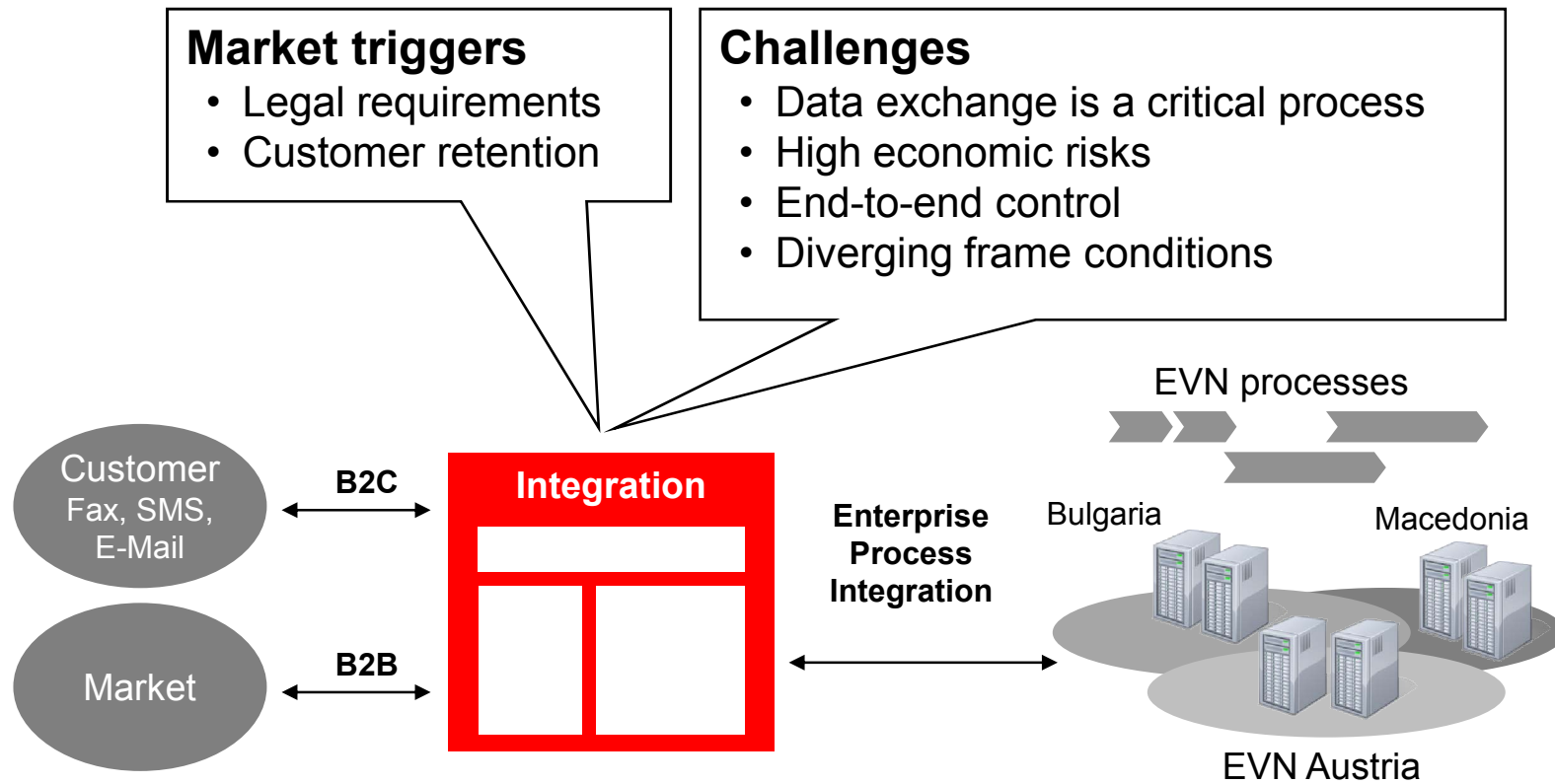
EVN IT Strategy

- Service provider for EVN Group
- Cross-country standardization
- Strategic development & coaching
- Full service for EVN AG
- Increasing demand from subsidiaries
- Innovation in targeted areas
- Otherwise cost optimization

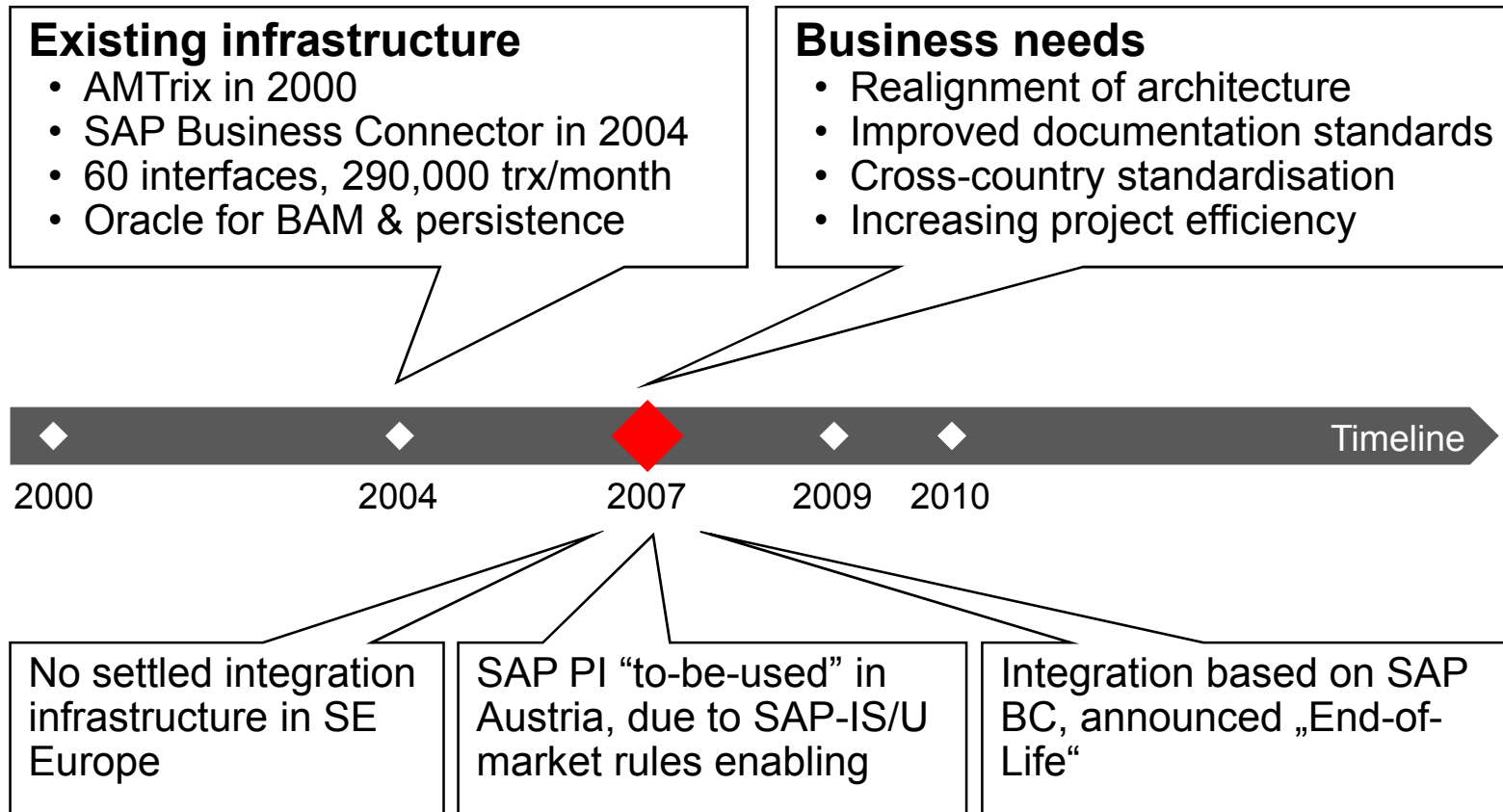
Role of Integration

- Business value: provide flexibility, adaptability in standard solutions context (e.g. SAP)
- Inter-company business processes
- New & existing apps in SE Europe
- Serve high demand for integration
- “Affordable” ad hoc solutions, bridging

Business Conditions



Situation in 2007



Solution Search

- Consolidation & cost optimization
- “Complimentary” integration platform
- “Small” footprint, but full scalability (personnel, operations & hardware)
- Should be usable in SE Europe
- Should be “easy-to-learn”
- SAP PI where needed (e.g. SAP-SAP)

Software Selection

- Should you trust vendor promises?
- Definition of selection criteria
- High effort – test along existing apps
- Invite vendors for on-site PoC
- Provide 3 realistic interface scenarios
- To be developed in 5 days

Experiences from PoC

	Small Vendor	Large Vendor
Functionality	++	+
Operational Impact	+	+
Ability to Execute	+	++
Domain Focus	++	o
Footprint	++	+
Viability	o	+

Decision

Two candidates: **Microsoft BizTalk** and **E2E Bridge**



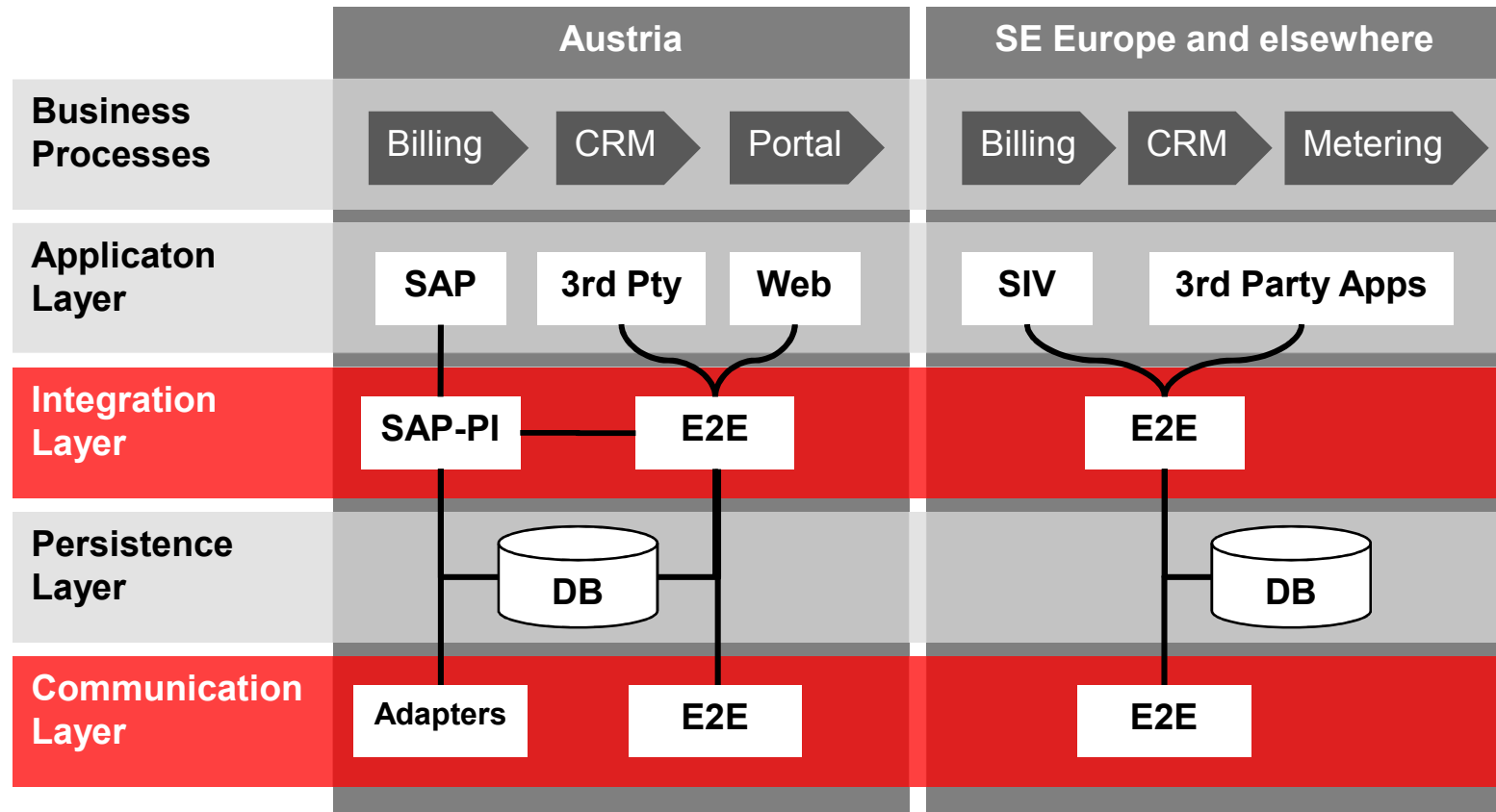
Functional comparison

„Head-to-head“ with slight advantages for E2E-Bridge

Reasons for E2E Bridge

- Small footprint (people, HW, ops)
- Excellent results in PoC
- **Documentation = Code**

Proposed Architecture



Pilot Project Bulgaria

- Starting situation
 - Fast integration of legacy systems difficult
 - New software standards needed
 - Low local application development knowhow
- Solution
 - Rollout E2E as main integration framework
 - Single server approach (failsafe disks & power)
 - Creation of integration competence centre (ICC)
 - Pragmatic project execution, learning by doing

Bulgaria: Achievements

- Integration of 11 backends with complex format mappings (reusable components = productivity)
- Use Case analysis provides better understanding of business perspective
- Local Bulgarian ICC team of 4 within 18 month
- First SAP integration by Bulgarian team in autumn 2008 without support from Austria
- Higher quality due to implemented check routines (e.g. format checks, sum checks, reports etc.)

Next: SAP BC Migration

- Use SAP-PI for SAP-centric interfaces
- Migrate “the rest” to E2E in phases:
 - **Pilot Phase:** developing special E2E libraries that simplify the migration
 - **Main Phase:** use of patterns and templates, standardising complex integration tasks
 - **Extreme cases:** interface migration in 1 day!
 - Use Classification to determine which integration pattern to be used for which interface

Implementation Speed

- Task

- Implementation of simple B2B interface change request (most frequent case)
- Go through full development lifecycle

- Result

- **E2E Bridge:** ½ day (incl. docu & testing)
- **SAP BC:** 1-2 days
- **SAP PI:** >2 days, due to complexity of product and dev lifecycle

Experiences

- Small but effective vendor and consulting partner
- Business & IT goals achieved in time and budget
- Approach different to „old“ system integration
- Learning curve – UML based development
- Crucial for succesful Internet relaunch project
- SE Europe: co-development with near shore partner
- **Creation of reusable service plattform**

Summary

- All business goals achieved so far
- System integration is major asset for future
- Right mix between
 - Standard software
 - Innovative solutions and
 - Bespoke development
- E2E: small, but strategic partner for EVN
- „Size“ doesn't matter – or does it?

Q&A
