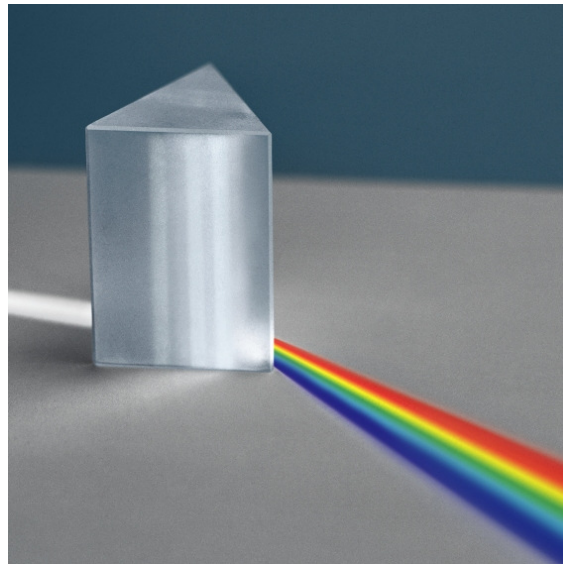

Case Study

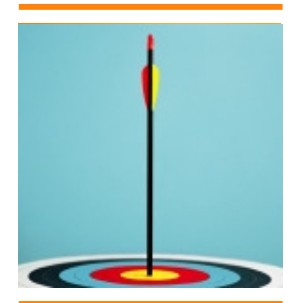
Web-Application Refactoring for SpareParts



The objectives of the Case Study are the following



1. Understand the customers business requirements
2. Explore the possible solution alternatives from an outside-in approach
3. Design the solution based on your identified decisions and findings
4. Present your solution to different stakeholders (CEO, CFO, CIO, Developers)
5. Create a customer-ready documentation



Case Study
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SpareParts has the following objectives which have to be addressed

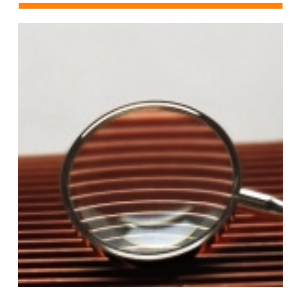


Overview

- Leading international European trading company for automotive spare parts
- Provide comprehensive knowledge and services with a high degree of flexibility
- Delivery of spare parts within 2-3 hours after order has been received
- Self-written ERP System based on Oracle-Technology (Oracle-Forms, PL/SQL)
- Application availability/ performance is mission critical for their business
- Sophisticated Web-Enablement

Key-Figures

- Handling over ≥ 200.000 spare parts (high growth YoY)
- Serving ≥ 30.000 partners (increasing YoY)
- Peak hours between 7:00 a.m. and 2:00 p.m. (Mission critical)
- ~ 800 Employees
- FTE's
 - 3-4 → Operation
 - 10 → Development
 - 3-4 → Support
- ~ 600 Oracle Forms



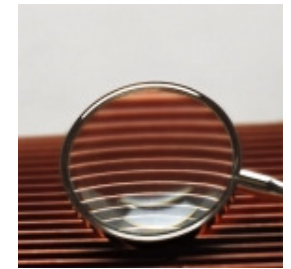
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Technology Stack (Actual)

- Oracle 8i
 - Oracle-Forms for the sophisticated Rich-Client Front-Ends
 - PL/SQL as programming language (Web/Non-Web)
 - Oracle 4-GL Development Tools
- Citrix
 - Deployment of Oracle-Form applications
- Hardware
 - Set of standard xSeries Pizza-Boxes
 - HP Superdome for Oracle

Challenges

- Trading with Partners is key and emerging
- Life-cycle of the application portfolio is reached (Oracle-Forms)
- Need to define the strategic platform for the future (SAP, Microsoft, Oracle, others)
- Re-Use of existing Assets
- Time to Market
- Flexibility to „Build for Change“



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Goals to be achieved

Business

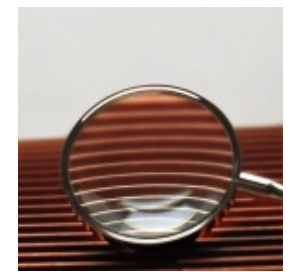
- Faster Time-To-Market
- Strong Focus on Business Processes
- Service oriented approach
- High flexibility to reach-and-extend
- New country enablement planned
#1 CH, #2 A, #3 Spain, #4 Russia

Development

- Re-Use of the ERP-Business Logic/Objects
- Rapid Application Development
 - Integrated Testing
 - Performance Tuning
 - Rapid Deployment
 - Team Development
 - Consistent Documentation

Operations

- Streamlined management of the infrastructure with low TCO
- Monitoring of Business-Services
- On-Demand management of system resources



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The following key requirements have been defined

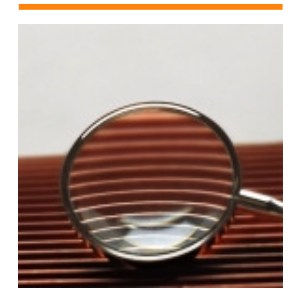


Standards

- Java Enterprise Edition for mission critical applications
- Oracle as the Database engine
- LDAP User Registry & Sync
- Eclipse-based tooling
- Web-Standards such as XML, HTML, HTTP/S Standards
- Open Source Standards
- Server Virtualization

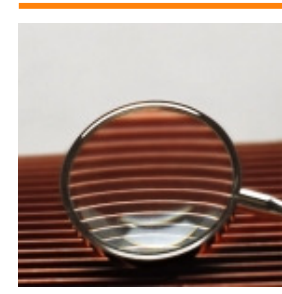
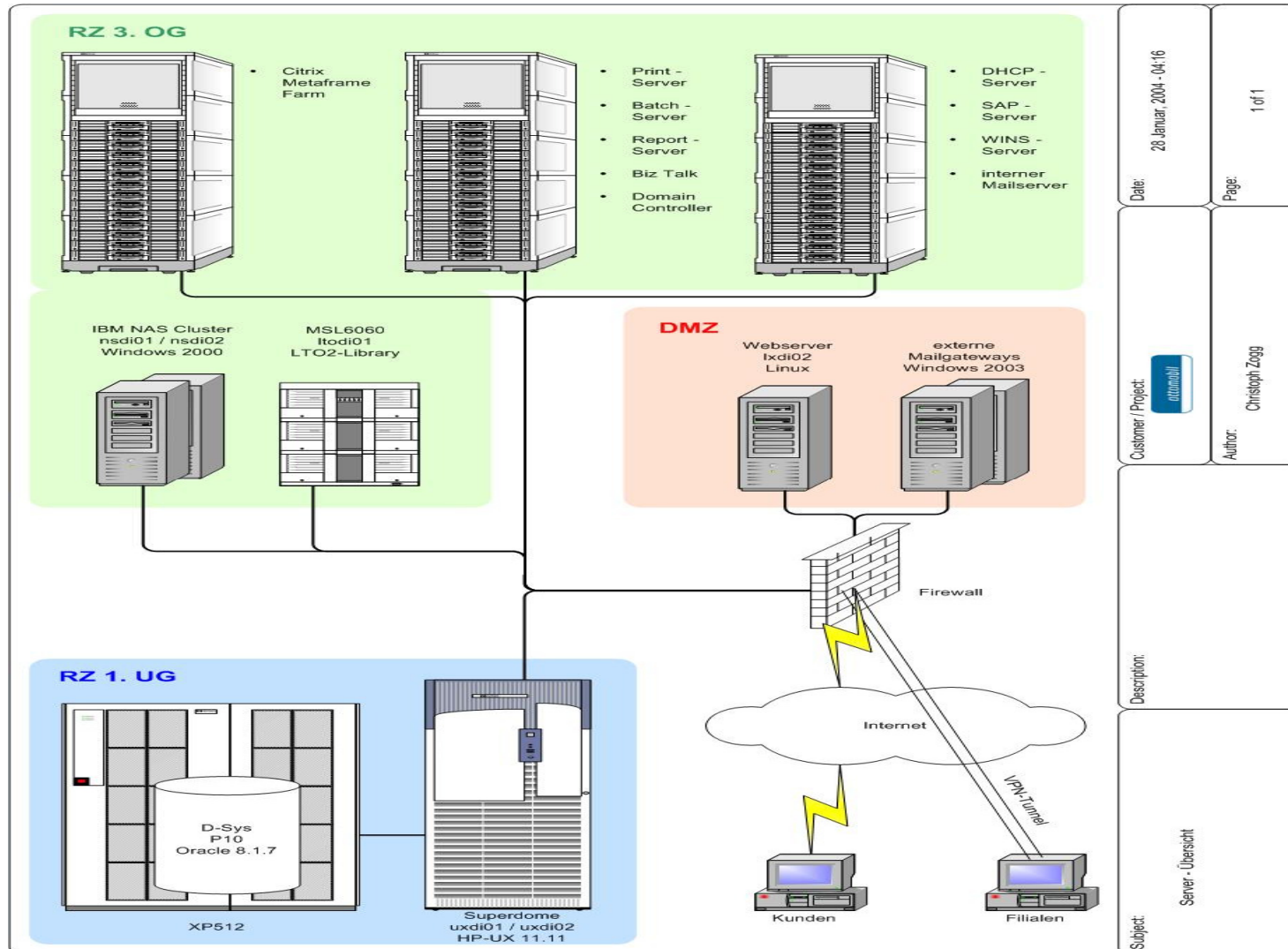
Others

- RUP Method
- A key building block is the content management system
- Rich Client Support with minimal deployment footprints
- Simplified Management and Deployment Activities
- Brands: Rational, WebSphere, Tivoli, Lotus
- Multi-Channel Support



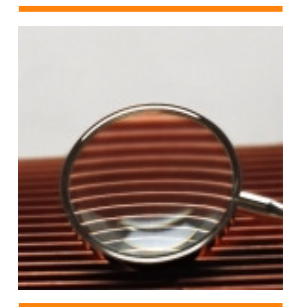
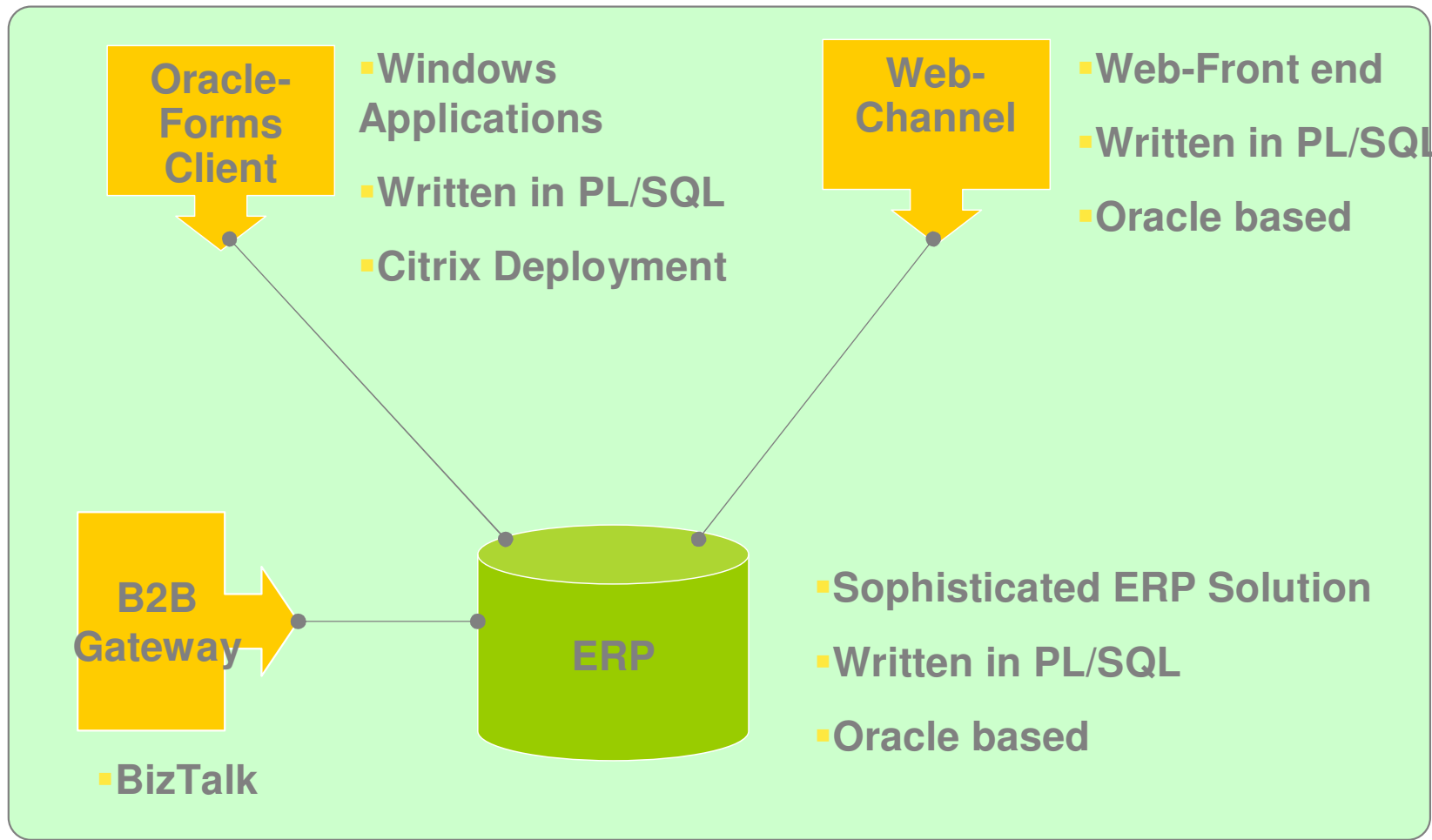
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SpareParts has a sophisticated network topology as follows



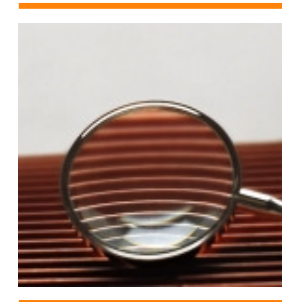
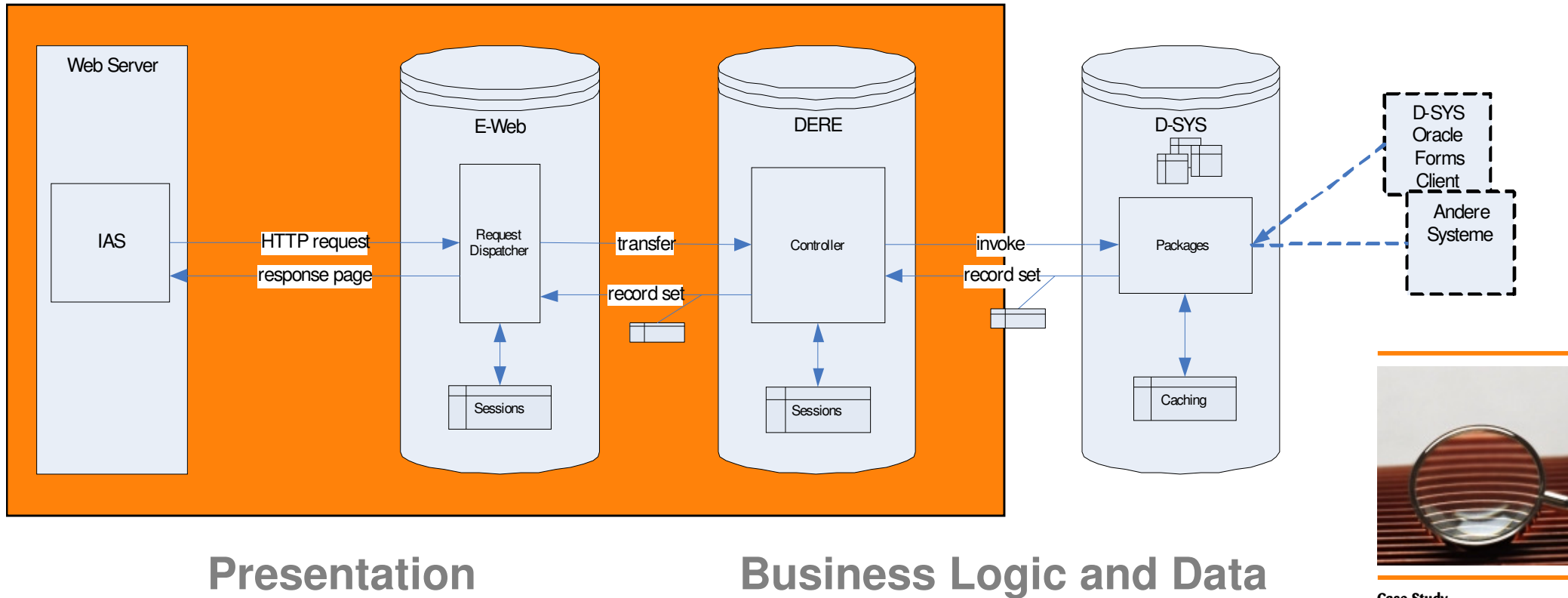
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The current high-level application context is as follows



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The project-scope is high-lighted as follows



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As an example please have a look at www.derendinger.ch for further details

zühlke
empowering ideas

Derendinger, Willkommen - Bienvenue - Benvenuti - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://www.derendinger.ch/pls/dere_01/P_Dere_Eweb.Aufrufen?p_SessionSeq=38953890509097802191227650278

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Willkommen bei Derendinger - dem führenden Anbieter auf dem freien Schweizer Autoersatzteilmarkt

derendinger.ch zu den Favoriten hinzufügen

Aktuelles:

Derendinger-Weekend 2005
3./4. Sep 2005 [Galerie](#)
in Ulrichen [Ranglisten](#)

Aktuelles:

Ihr neues Servicecenter für Bosch-Prüftechnik

Aktuelles:

Garage plus

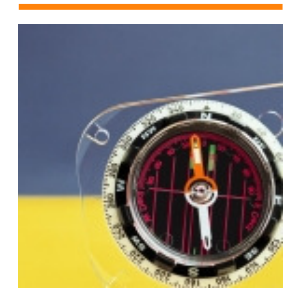
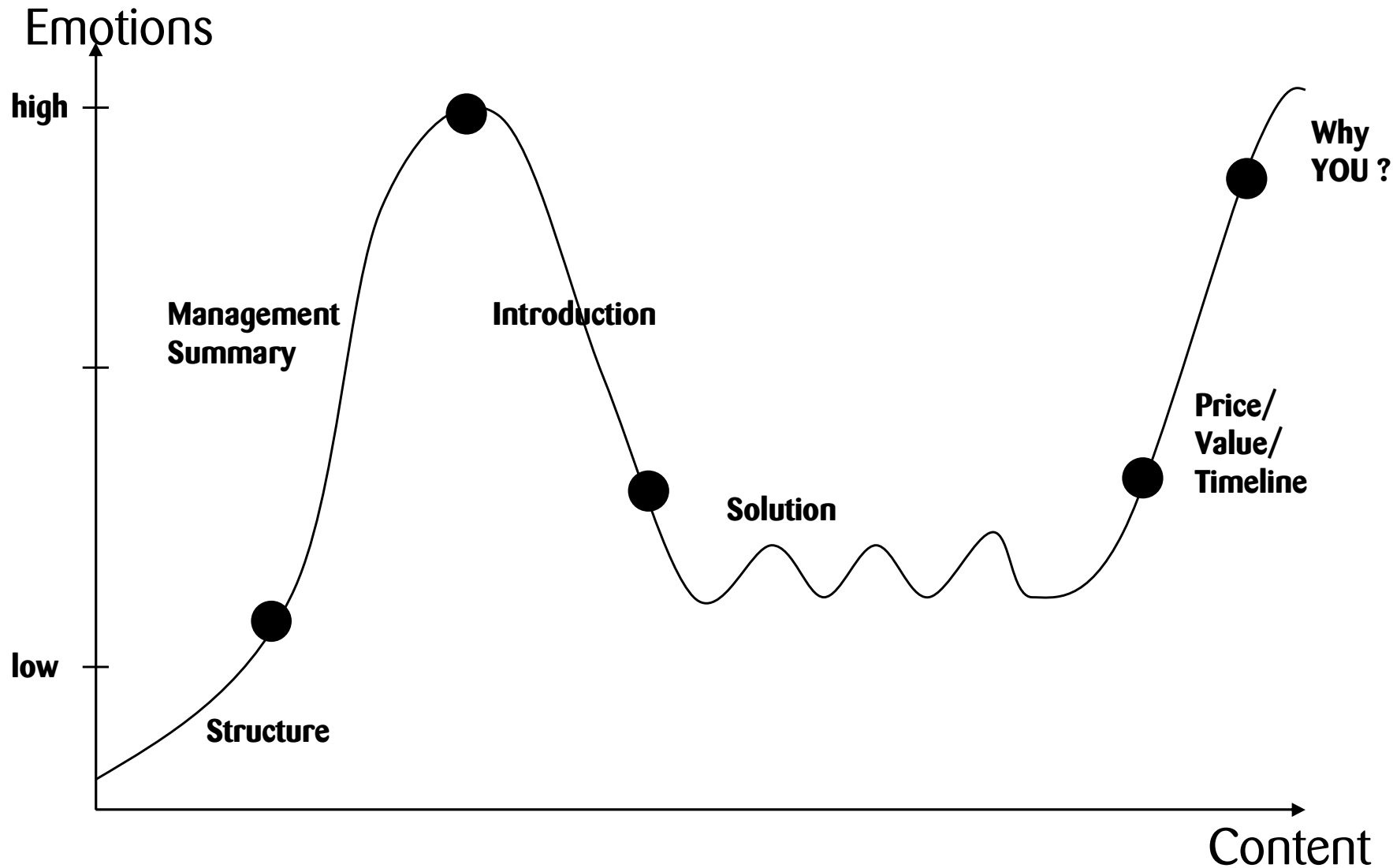
Das [Garagenkonzept](#) von Derendinger

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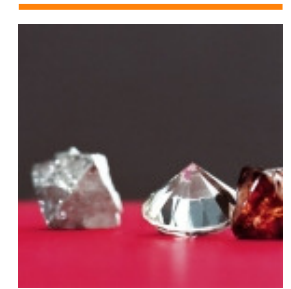
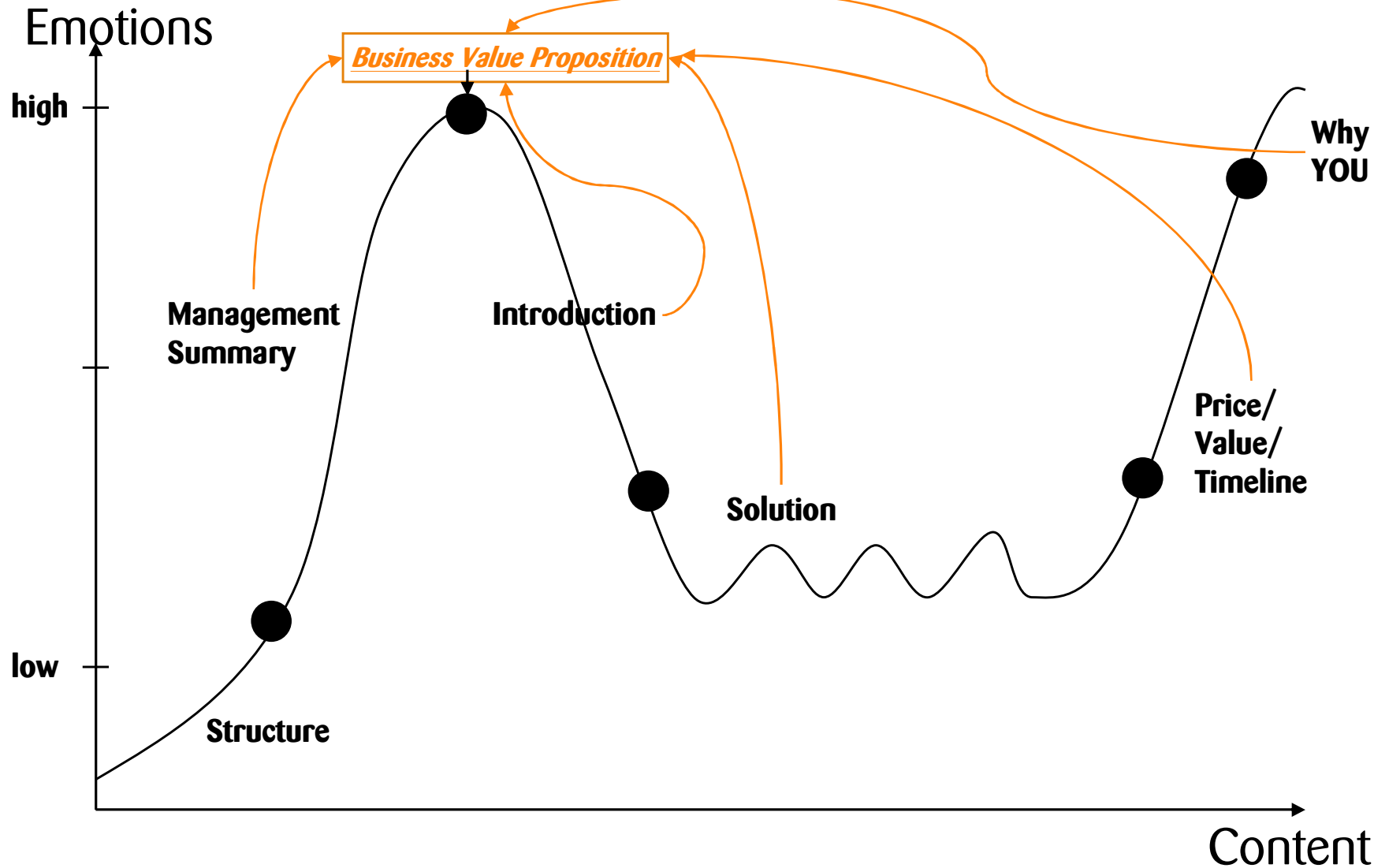
Case Study
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Transport emotions associated with the key customer benefits of SpareParts



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Link the emotions to the identified stakeholder business value propositions of SpareParts

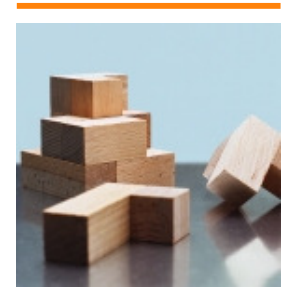


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Your presentation and documentation should address the following key topics for SpareParts



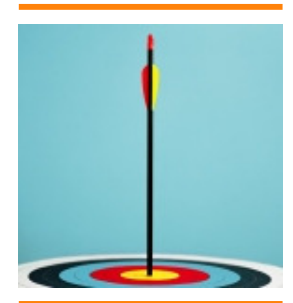
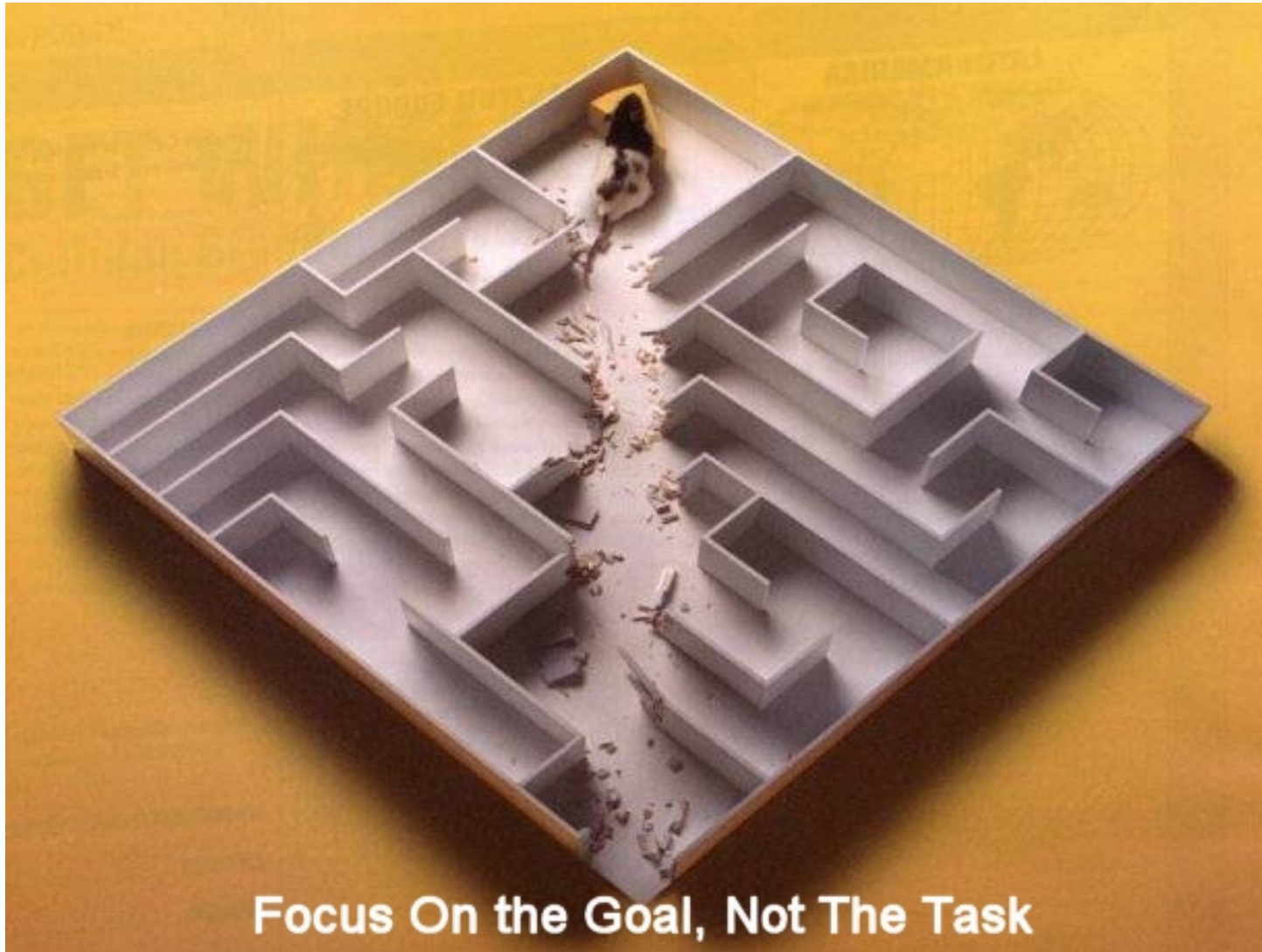
1. Management Summary
2. Solution outline
3. Project Schedule - Time to Market
4. Why XYZ - Your benefits
5. Your investment



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Thank YOU

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Kai Schwidder
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