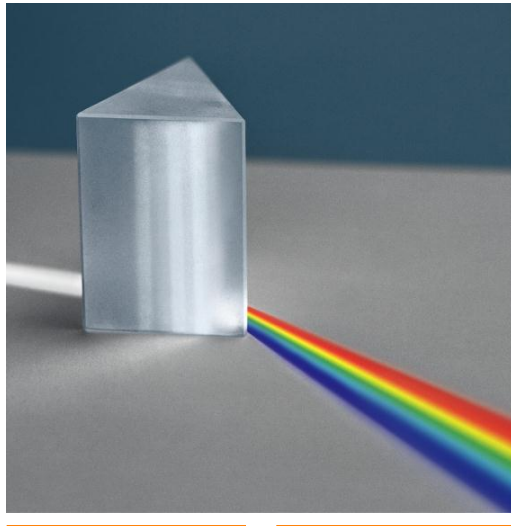

Case Study

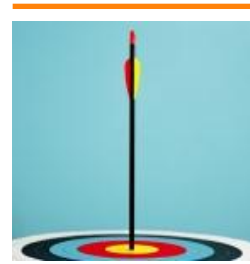
Web-Application Refactoring for SpareParts



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**



SpareParts has the following objectives which have to be addressed

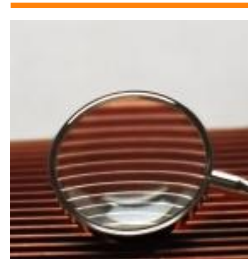


Overview

- 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

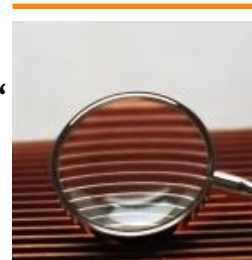


Technology Stack (Actual)

- 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“



Business

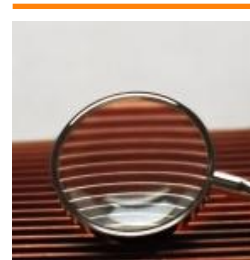
- Faster Time-To-Market
- Strong Focus on Business Processes
- Service oriented approach
- High flexibility to reach-and-extend
- New country enablement planned
#1 CH, #2 A, #3 Spain, #4 Russia

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



The following key requirements have been defined

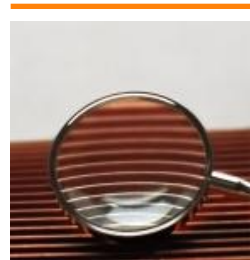


Standards

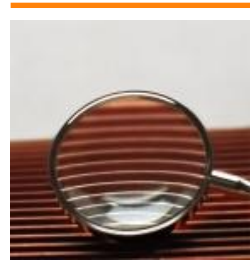
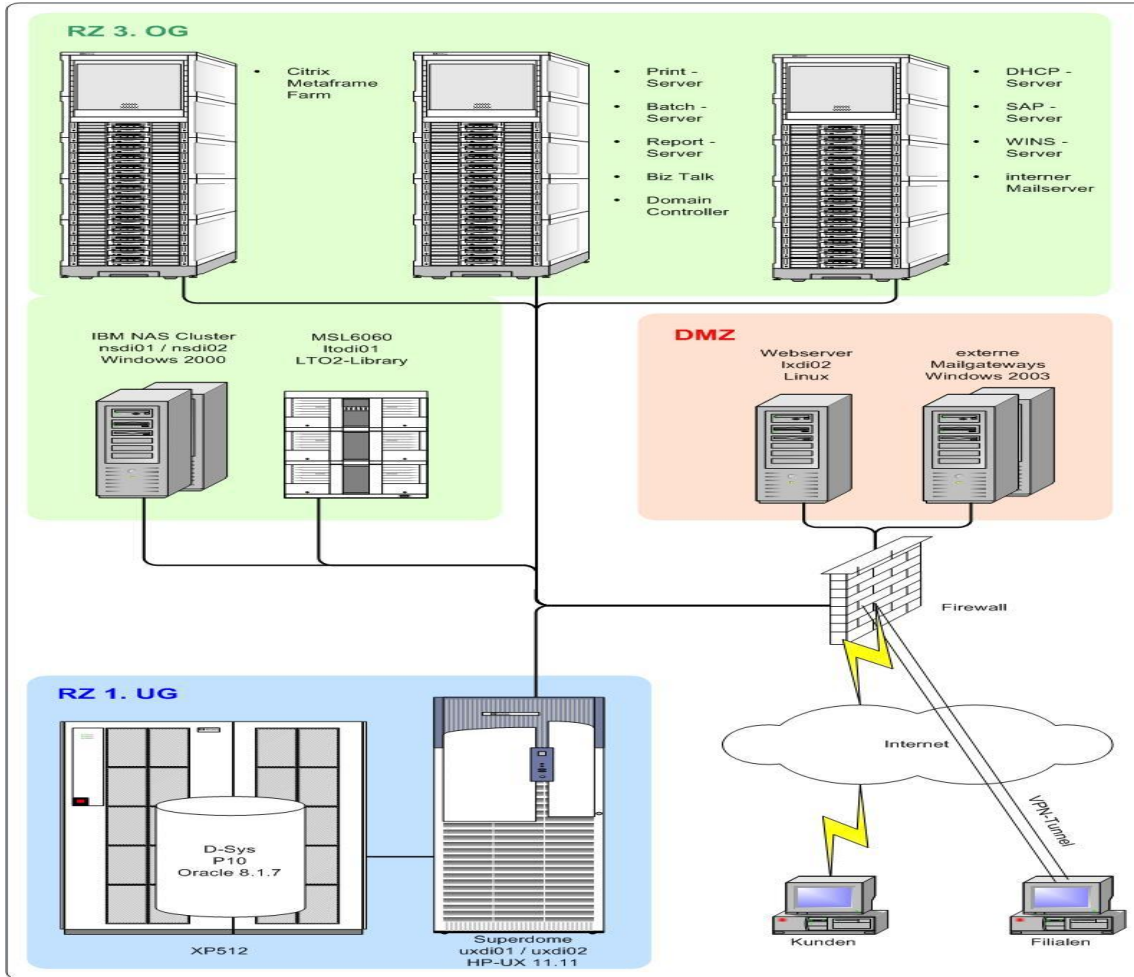
- Java Enterprise Edition for mission critical applications
- Oracle as the Database engine
- LDAP User Registry & Sync
- Eclipse-based tooling
- Web-Standards such as XML, HTML, HTTP/S Standards
- Open Source Standards
- Server Virtualization

Others

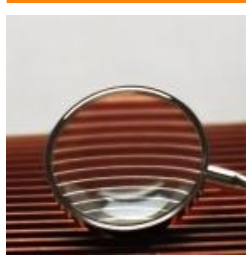
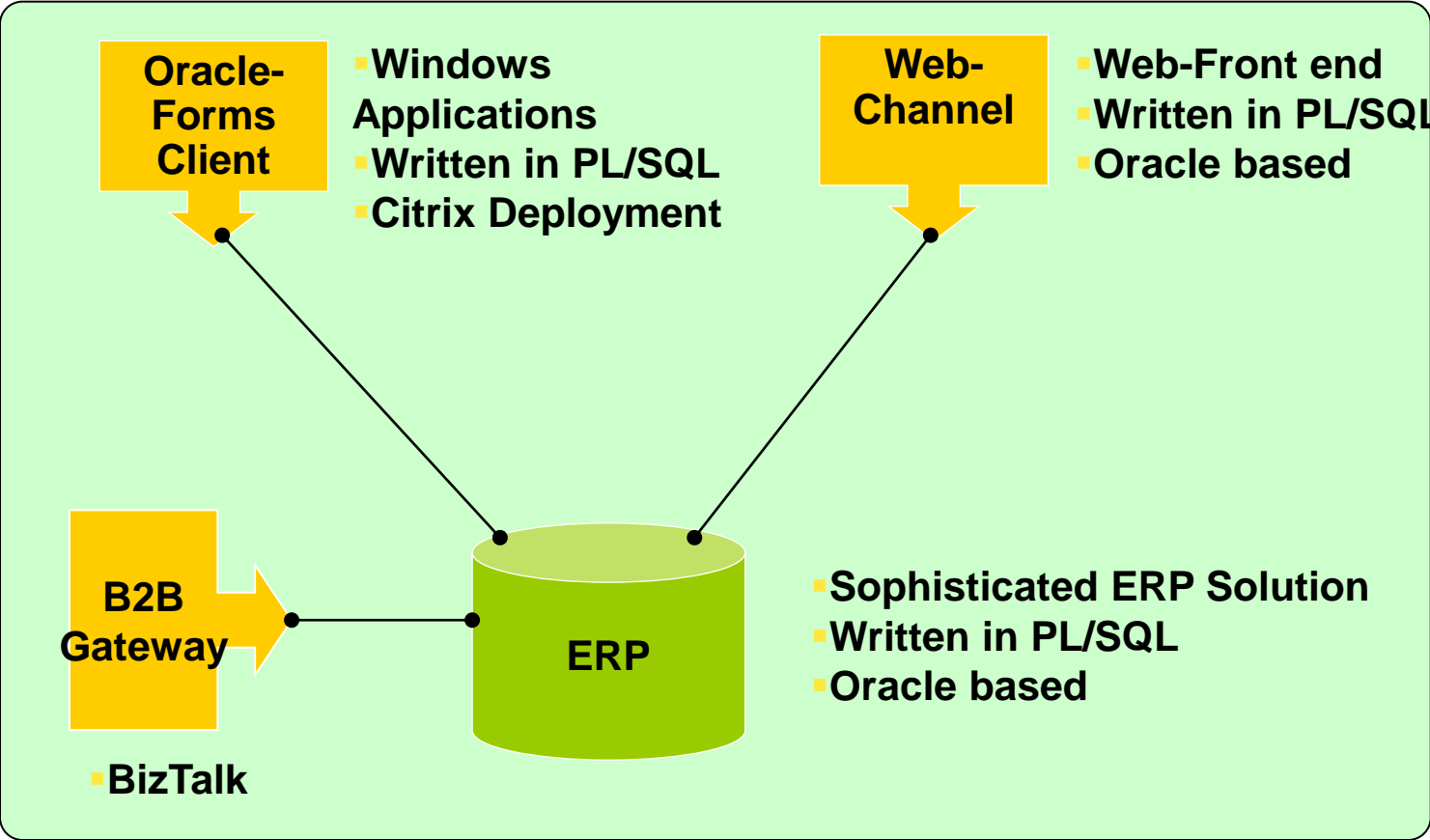
- RUP Method
- A key building block is the content management system
- Rich Client Support with minimal deployment footprints
- Simplified Management and Deployment Activities
- Multi-Channel Support



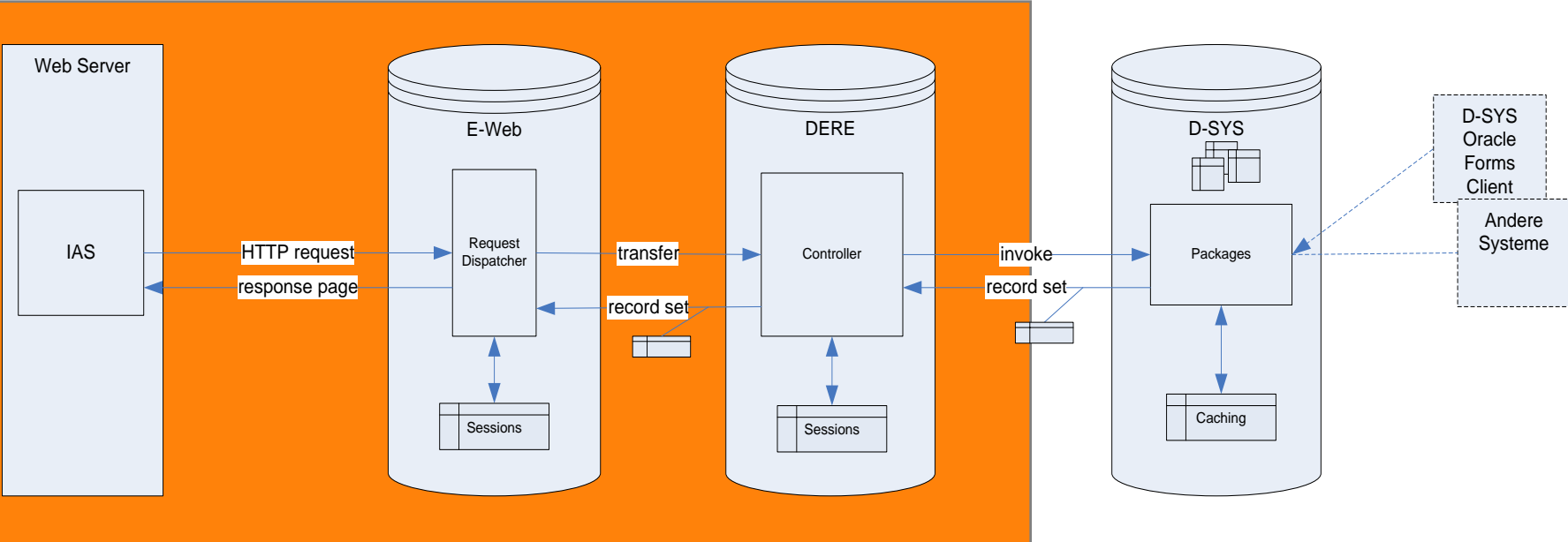
SpareParts has a sophisticated network topology as follows



The current high-level application context is as follows

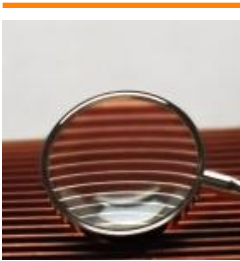


The project-scope is high-lighted as follows



Presentation

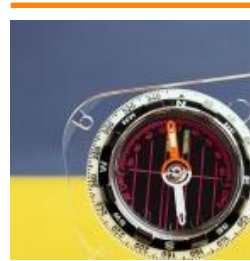
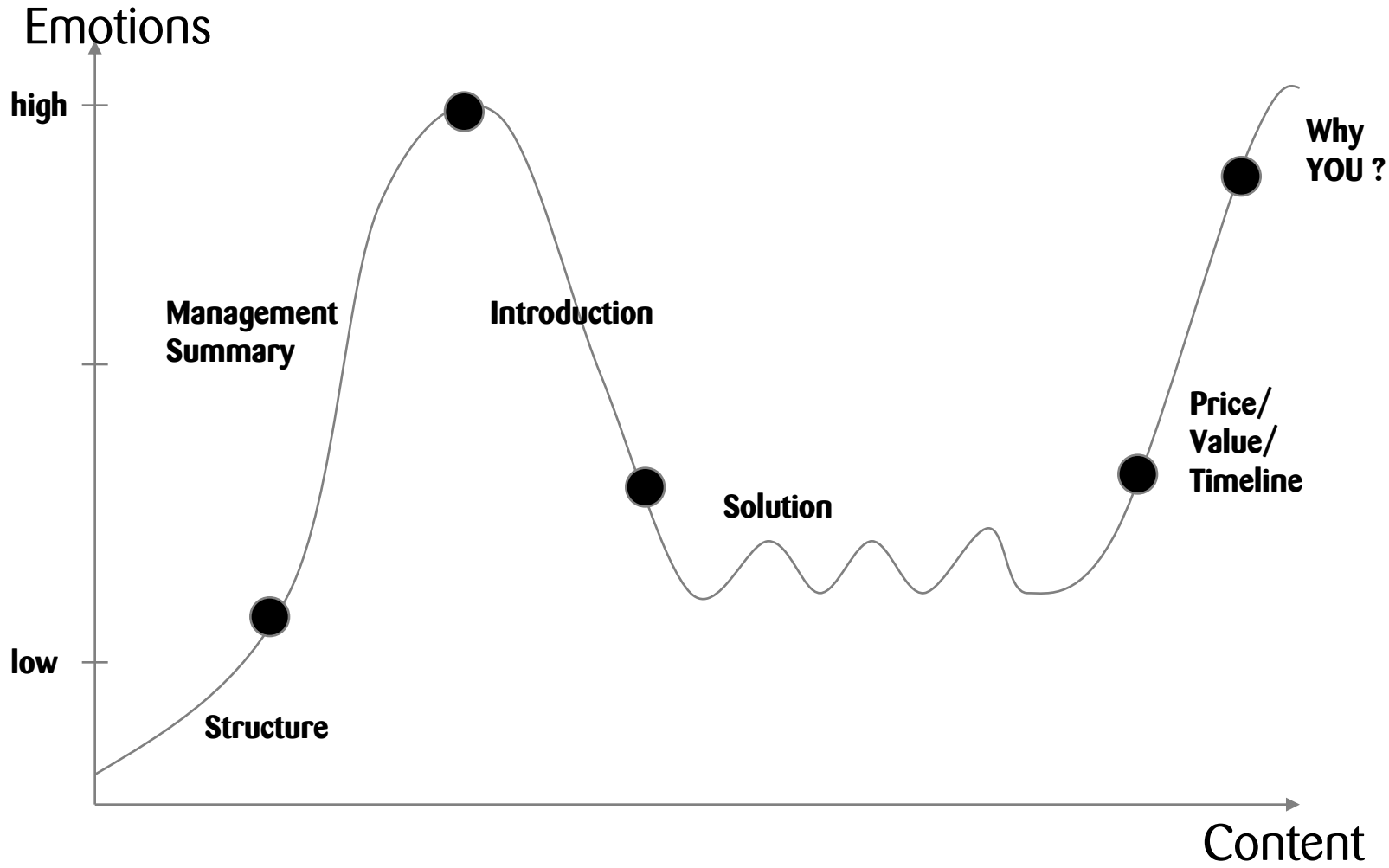
Business Logic and Data



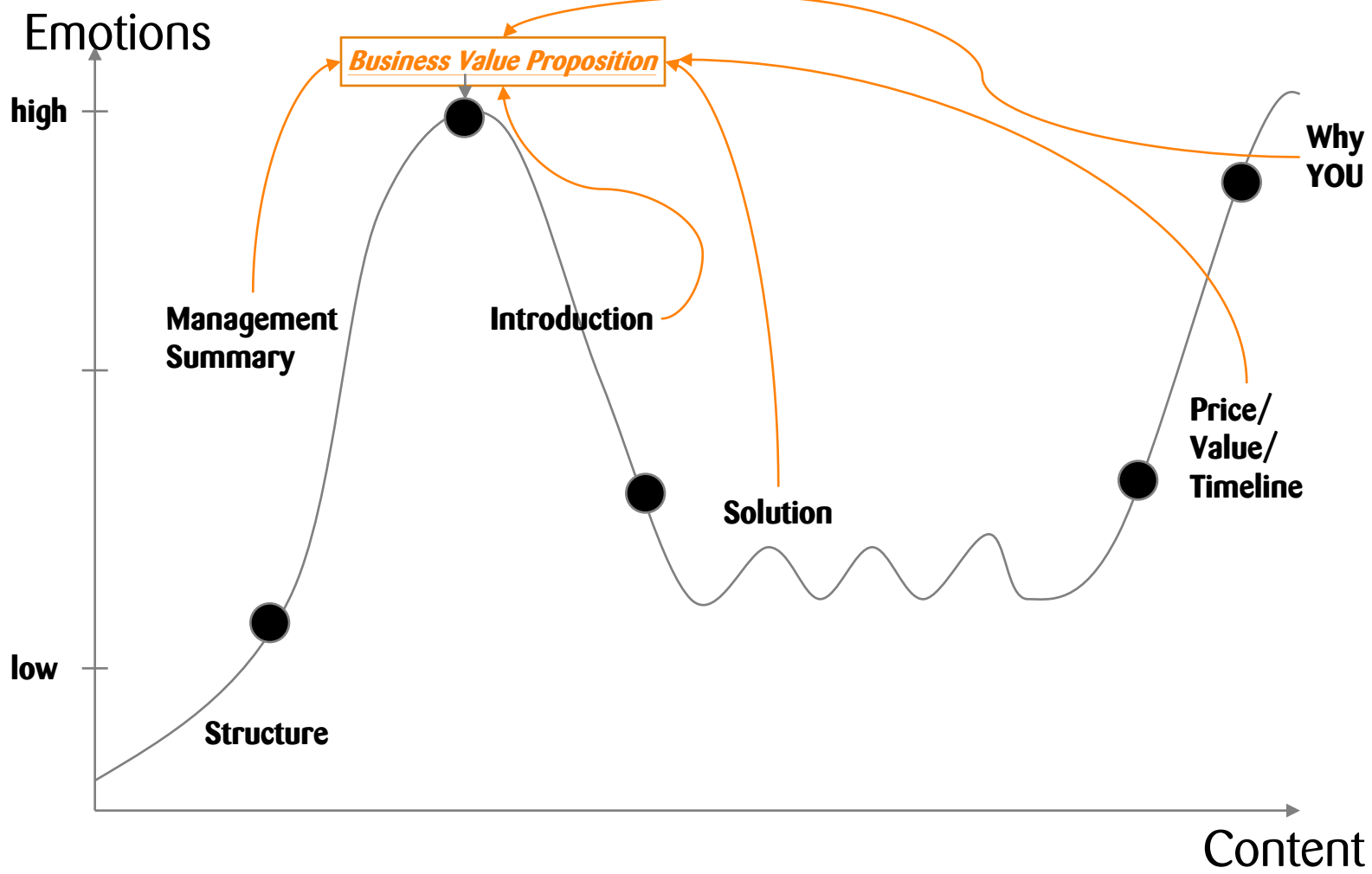
As an example please have a look at www.derendinger.ch for further details



Transport emotions associated with the key customer benefits of SpareParts



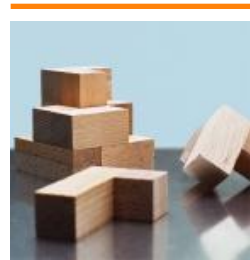
Link the emotions to the identified stakeholder business value propositions of SpareParts



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



Thank YOU

