

Act 2
The New Engine
Preparation



VIVACE

Tobias Larsson
Luleå University of Technology



Quick recap of the story position:

The consortium decides to go ahead and notifies the customer that it will respond to his request.

Meanwhile the Engine consortium develop their proposal....



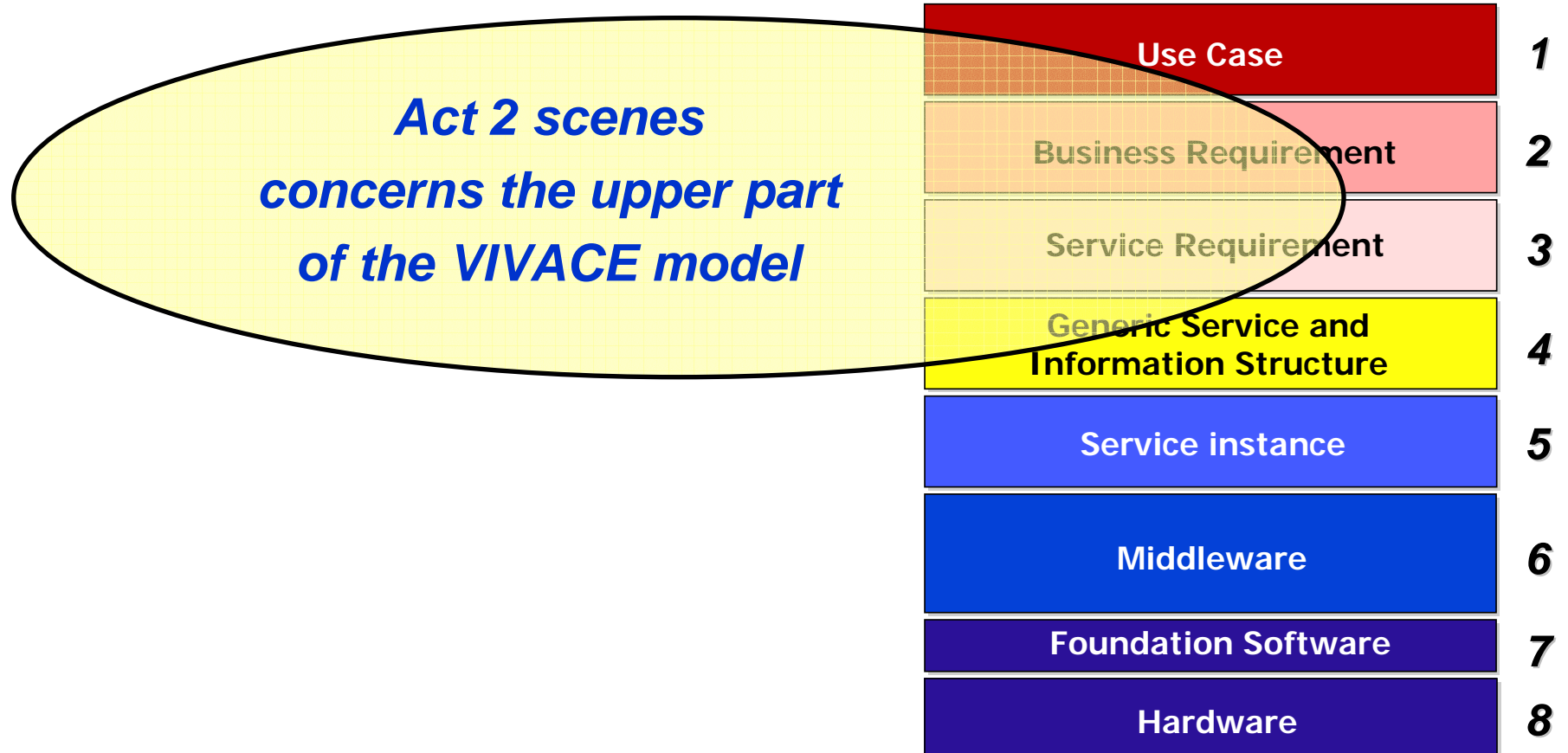
Act 2 - The New Engine Preparation

- **Proposal preparation**
 - Fast quotation preparation process for complete operating life cycle
 - Includes knowledge management as a key enabler
 - Uses common life cycle cost definitions and approaches
 - Agent based methods used to explore dynamic behaviour of the value chain over the whole engine life cycle
- **Supply Chain considerations**
 - Simulation of a focused engine parts factory to achieve optimised output
- **Operation of through life product support system**
 - Sensitivity to different support regimes and resource levels
 - Critical element determination



Act 2 - The New Engine Preparation

ACT2 POSITION IN THE VIVACE MODEL





Act 2 - The New Engine Preparation

- **Scene 1: The engine company prepare its proposal to the consortium**
 - **The 7 Day Proposal (15 min)**
 - **Catarina Bovik, Volvo Aero Corporation**
 - **Knowledge Management in 7 Day Proposal (45 min)**
 - **Christian Johansson, Luleå University of Technology**
 - **Life Cycle Cost Modelling (25 min)**
 - **Werner Weigert, MTU Aero Engines**

Lunch break 60 min 13.00 - 14.00

- **Value Chain Modelling (60 min)**
 - **David Buxton, University of Nottingham**

Afternoon break 35 min 15.00 - 15.35

- **Scene 2: The engine company models aspects of the supply chain**
 - **Evaluating alternative systems of logistic control (45 min)**
 - **Richard Farr, University of Nottingham**
 - **Ideal workflow and process chain planning concept for the product development phase (30 min)**
 - **Hans-Uwe Baron, MTU Aero Engines**
- **Scene 3: The engine value chain - service support system**
 - **Simulation of a service support system (40 min)**
 - **Jiang-Ping Li, University of Manchester**



Act 2 - The New Engine Preparation

ACT 2 TIMETABLE 24th October

Vivace Forum 2 24-26 October 2006	TIME			Responsible
	Start	Duration	End	
START OF DAY 1 - 24th October	11:30 AM			
Introduction to Act and Scenes	11:30 AM	00:05	11:35 AM	Tobias Larsson, LTU
Scene 1 - The engine company prepares its proposal to the consortium	11:35 AM	02:25	2:00 PM	
The 7 Day Proposal	11:35 AM	00:15	11:50 AM	Catarina Bovik, VAC
Knowledge Management in 7 Day Proposal	11:50 AM	00:45	12:35 PM	Christian Johansson, LTU
Life Cycle Cost Modelling	12:35 PM	00:25	1:00 PM	Werner Weigert, MTU
Lunch Break	1:00 PM	01:00	2:00 PM	
Value Chain Modelling	2:00 PM	01:00	3:00 PM	David Buxton, UNOTT
Afternoon break	3:00 PM	00:35	3:35 PM	
Scene 2 - The engine company models aspects of its supply chain	3:35 PM	01:15	4:50 PM	
Evaluating alternative systems of logistic control	3:35 PM	00:45	4:20 PM	Richard Farr, UNOTT
Ideal workflow and process chain planning concept for the product development phase	4:20 PM	00:30	4:50 PM	Hans-Uwe Baron, MTU
Scene 3 - The engine value chain - service support system	4:50 PM	00:40	5:30 PM	
Simulation of a service support system	4:50 PM	00:40	5:30 PM	Jian-Ping Li, UM
END OF DAY			5:30 PM	

Morning breaks
1030 -1130

Lunch
1300 – 1400

Afternoon breaks
1500 - 1600

Bus for Civic reception
Day 1 at 1800

Bus for Gala dinner
Day 2 at 1900

Day 3 ends at 1600