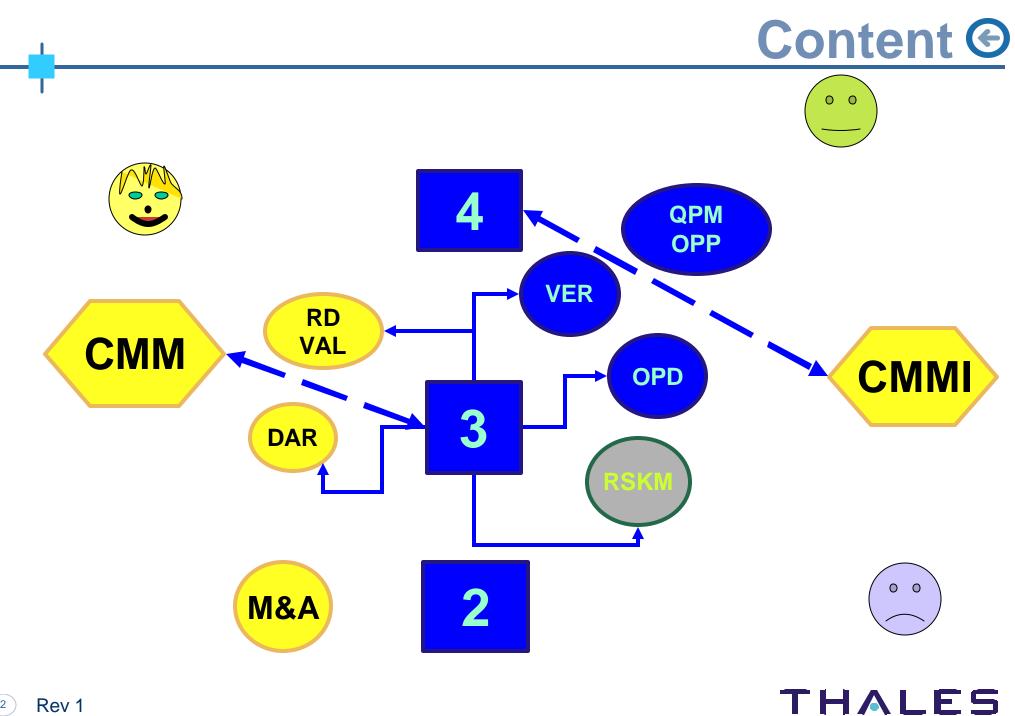


## CMMI Level 4 preparation The Story of the Chicken and the Egg

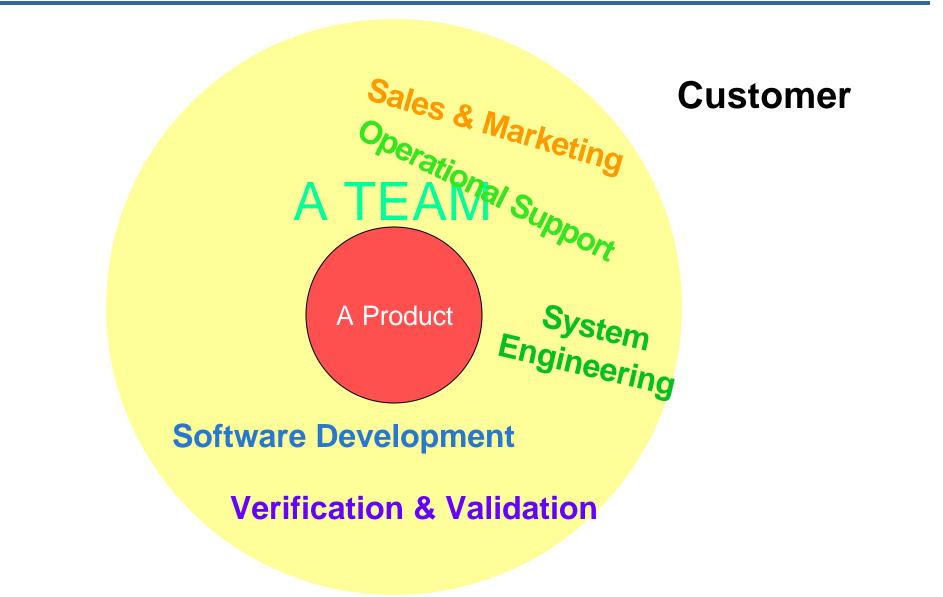


European SEPG London the 19<sup>th</sup> of June





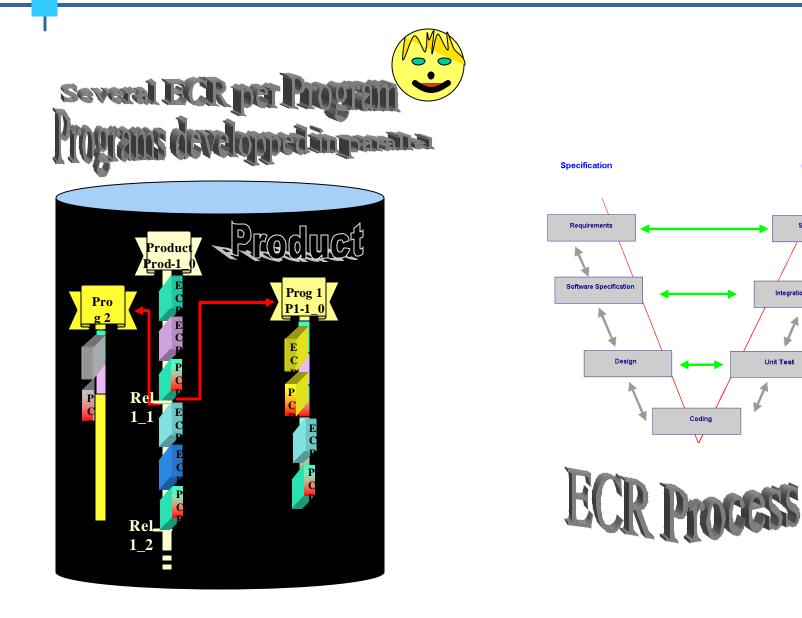






3 Rev 1

## The product line development process 🕞



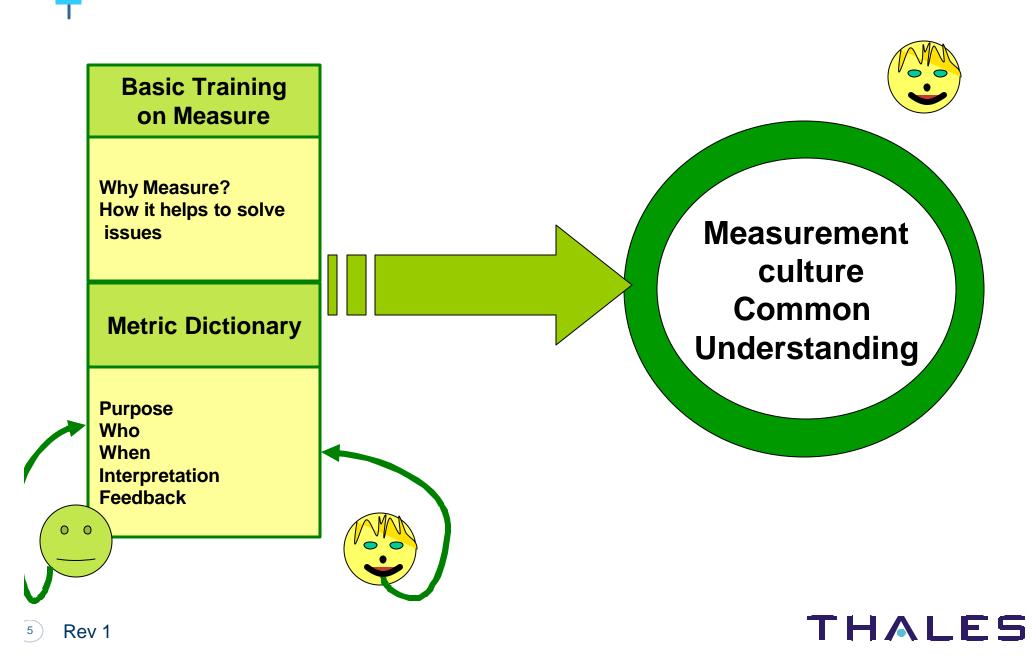
THALES

Qualification

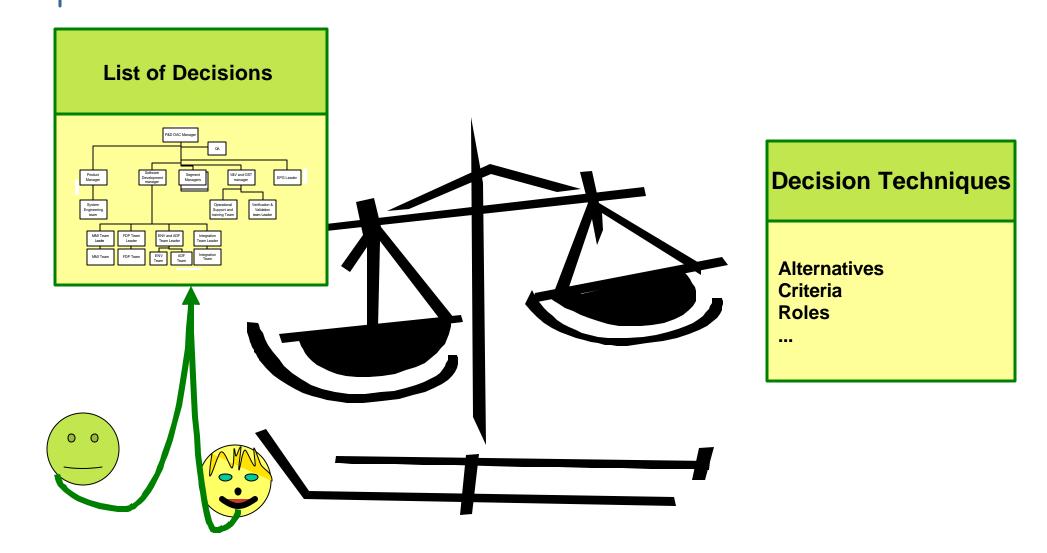
System Test

Integration & Test

# Metrics Dictionary 🕞

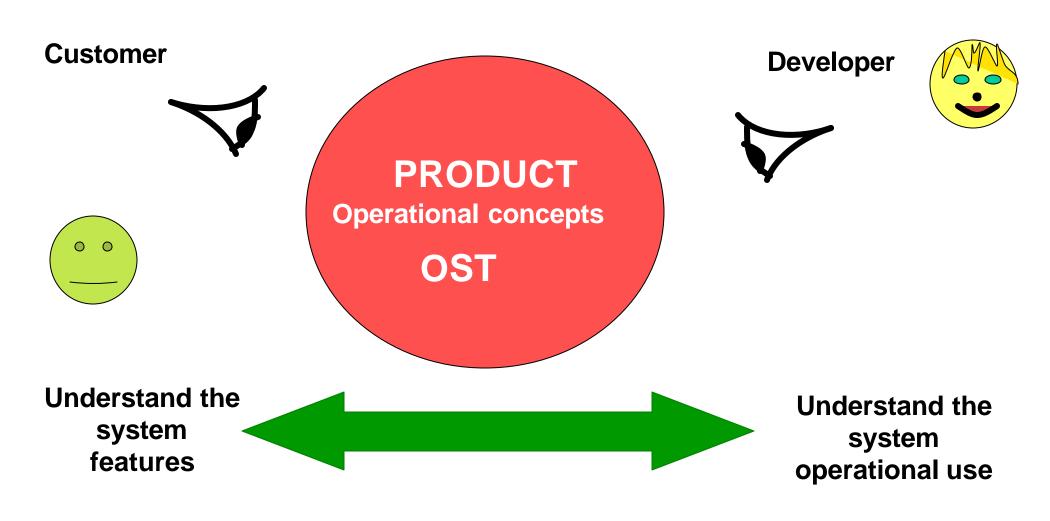






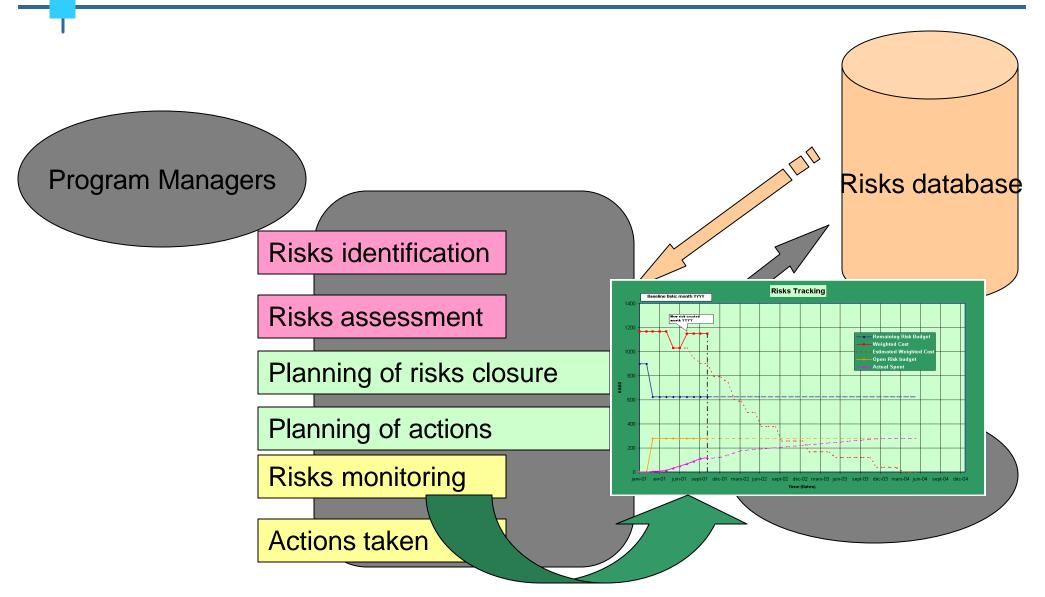




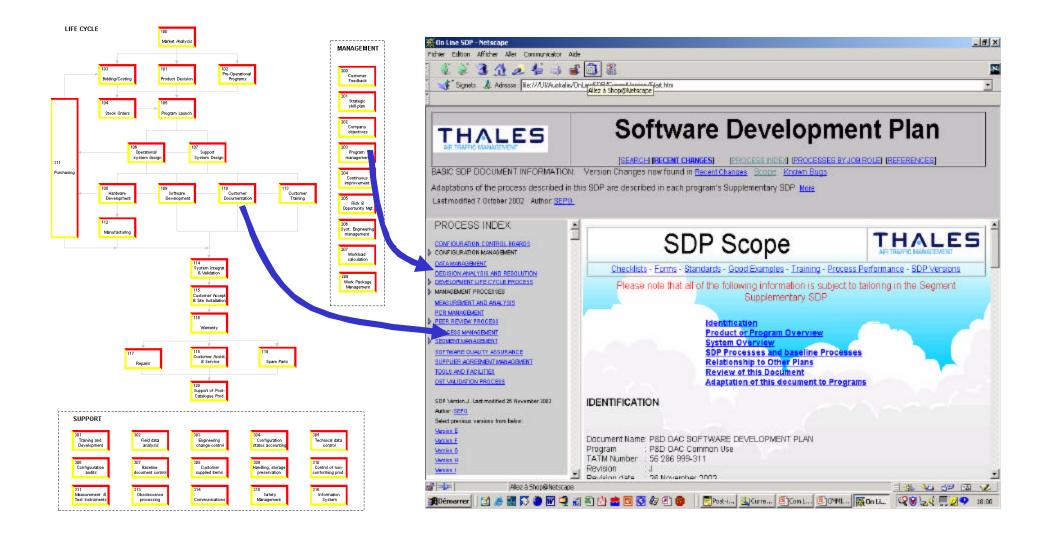




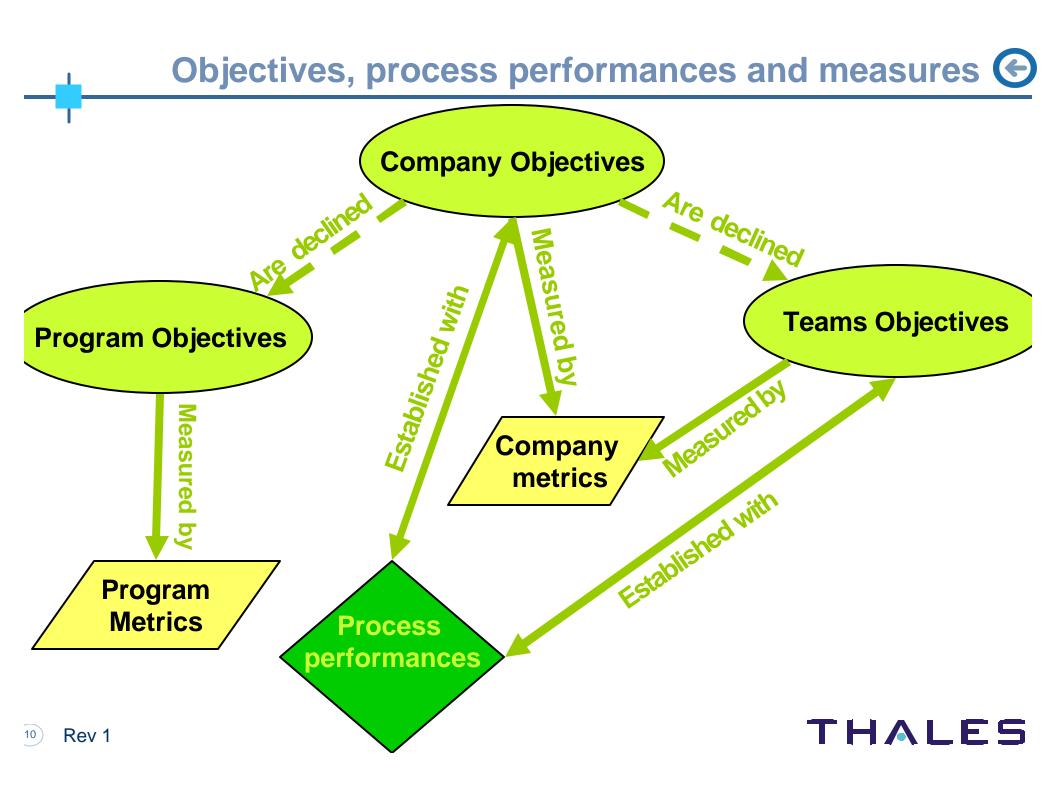
Risk Management process 🕞



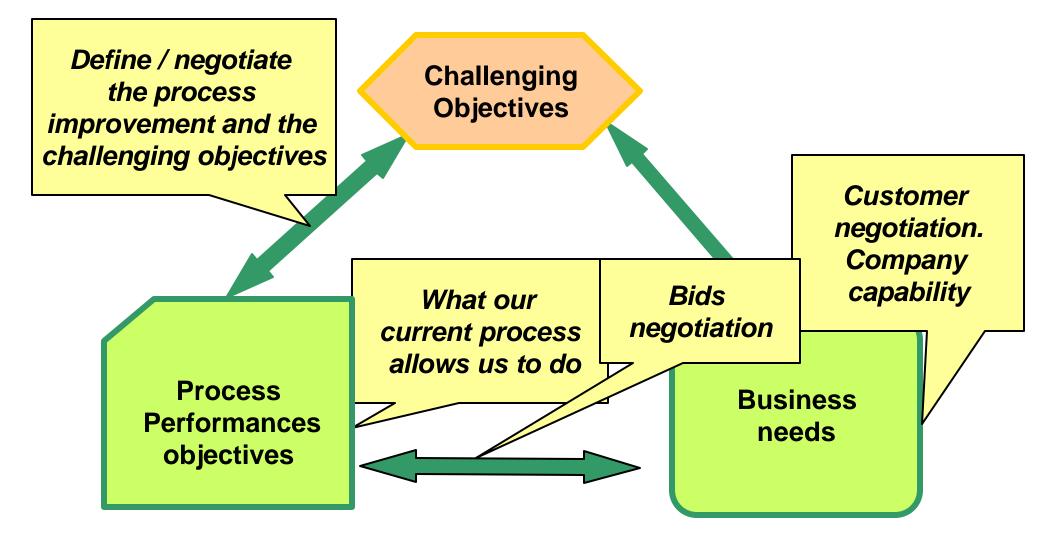
## Process Management - Contribution to Level 4 🕞



### THALES



Objectives settings 🚱

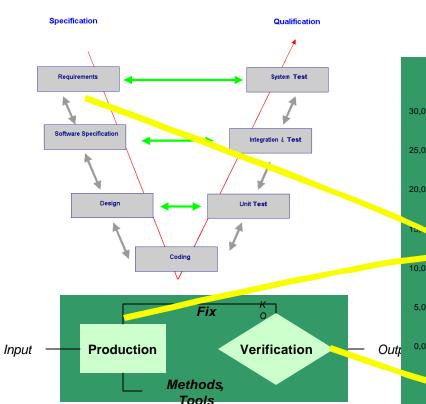


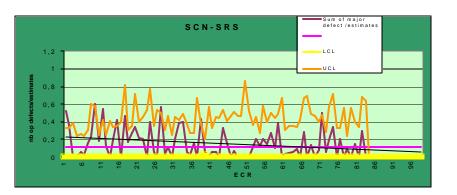


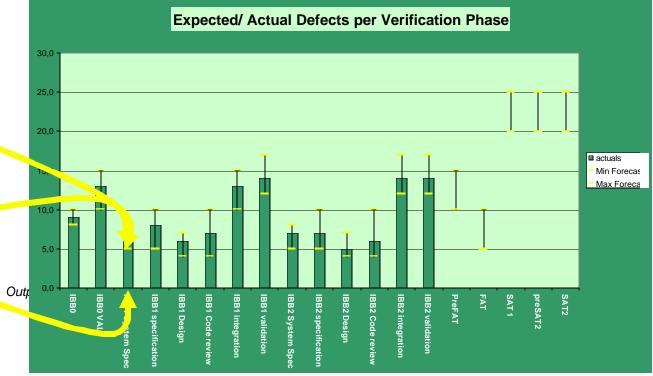
#### Example of Department Objectives 💮 Customers **Shareholders** Team • Deliver On Time Service Improvement PD&DistancetorheEUROCATEXPool • People First People First ന്മി2002ം31 TAMATSNG NAP OHNOU TRAFCA Less Defects Quality Improvement Productivity Improvement Bessel Reduce Distance to Product Program Reports Continous Process Improvement Product Improvement Reduce Cost of Rework THALES 12 Rev 1

# Statistical Process Control 🚱

### Process controlled: production and verification of the requirement, design and code processes





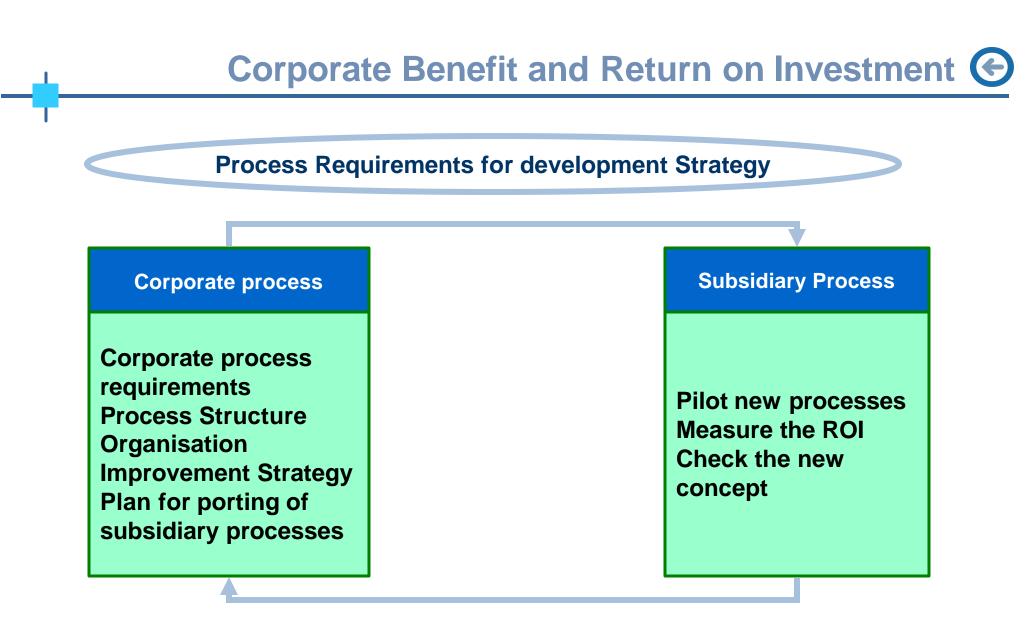


THALES

## Monitoring Program Objectives 🚱

Verification Strategy 250 × measured Min program forecast 200 Max program forecast X min program realised number of defects max program realised 50 ж ж 00 ж ж • ٢ 50 ę \* \* • 0 preSAT2 PreFAT SAT 1 SAT2 **IBB0** FAT IBB0 VAL **IBB1 ECR review** IBB1 SCN\_SRS review **IBB1 MF review IBB1** Code review **IBB1** integration **IBB1** validation **IBB2 ECR review** IBB2 SCN\_SRS review **IBB2 MF** review **IBB2** Code review **IBB2** integration **IBB2** validation Phase

### THALES



High Return on Investment Practices





The path to CMMI level 4 contributed to the business objective by giving::

- visibility in the future with a known level of confidence
- improving all the processes thanks to the measurement vision
- return on investment due the earlier defects detection, the improvement of risk management and better control of our programs

We have learnt to put a process under statistical control and use this skill to extend the number of processes controlled statistically.

The future leads us to improve the product obsolescence projects management, to improve the selection of process improvements and to reduce the number of defects injected.

