



CMMI[®] Today – The Current State

CMMI[®] Technology Conference 2003
November 18, 2003

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Why is Lockheed Martin implementing CMMI®?

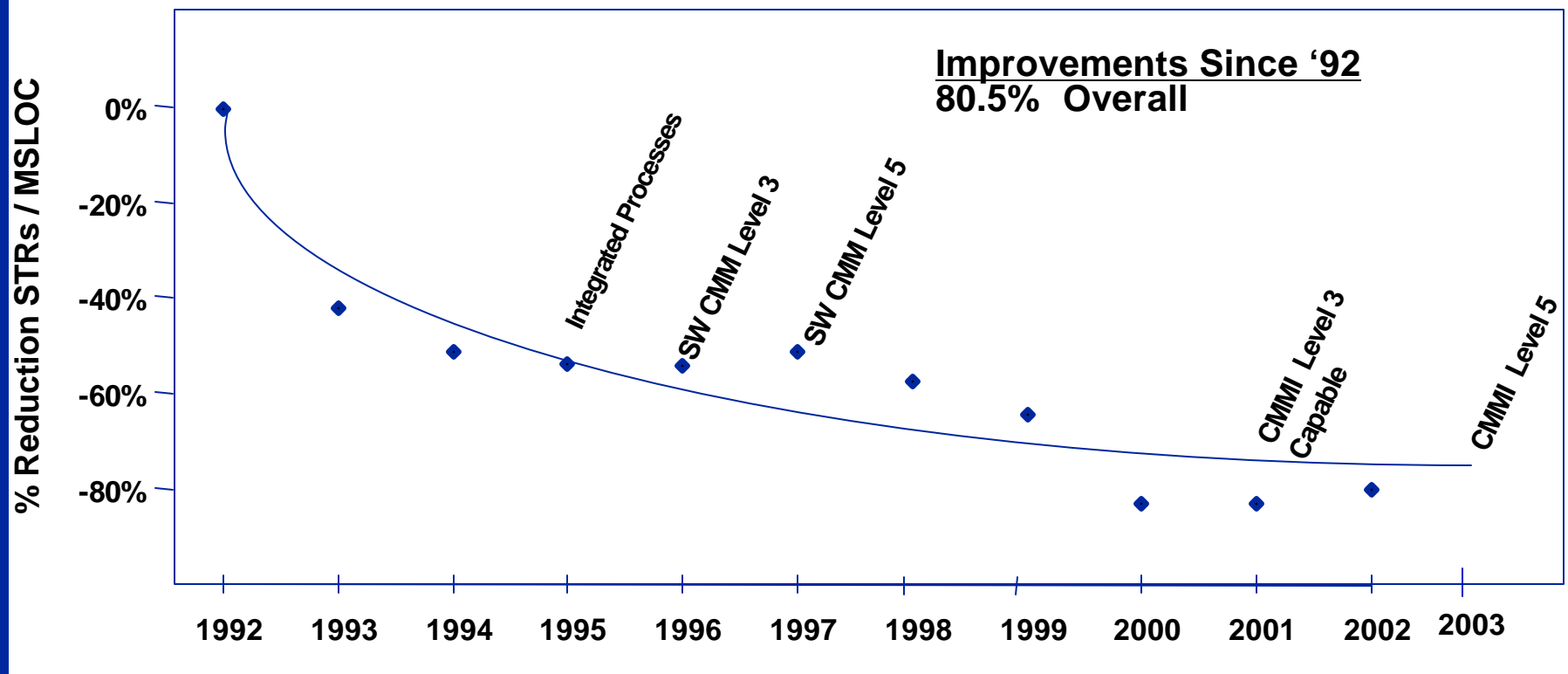


- ***CMMI® has direct impact to our business***
 - ***Improved quality***
 - ***Higher productivity***
 - ***Better predictability***
 - ***Customer satisfaction***
- ***CMMI® extends process improvement across the enterprise***

Lockheed Martin Systems Integration* Quality



Software Defects per Million Delivered Source Lines of Code



* STR / MSLOC = Software Trouble Report/Million Source Lines of Code

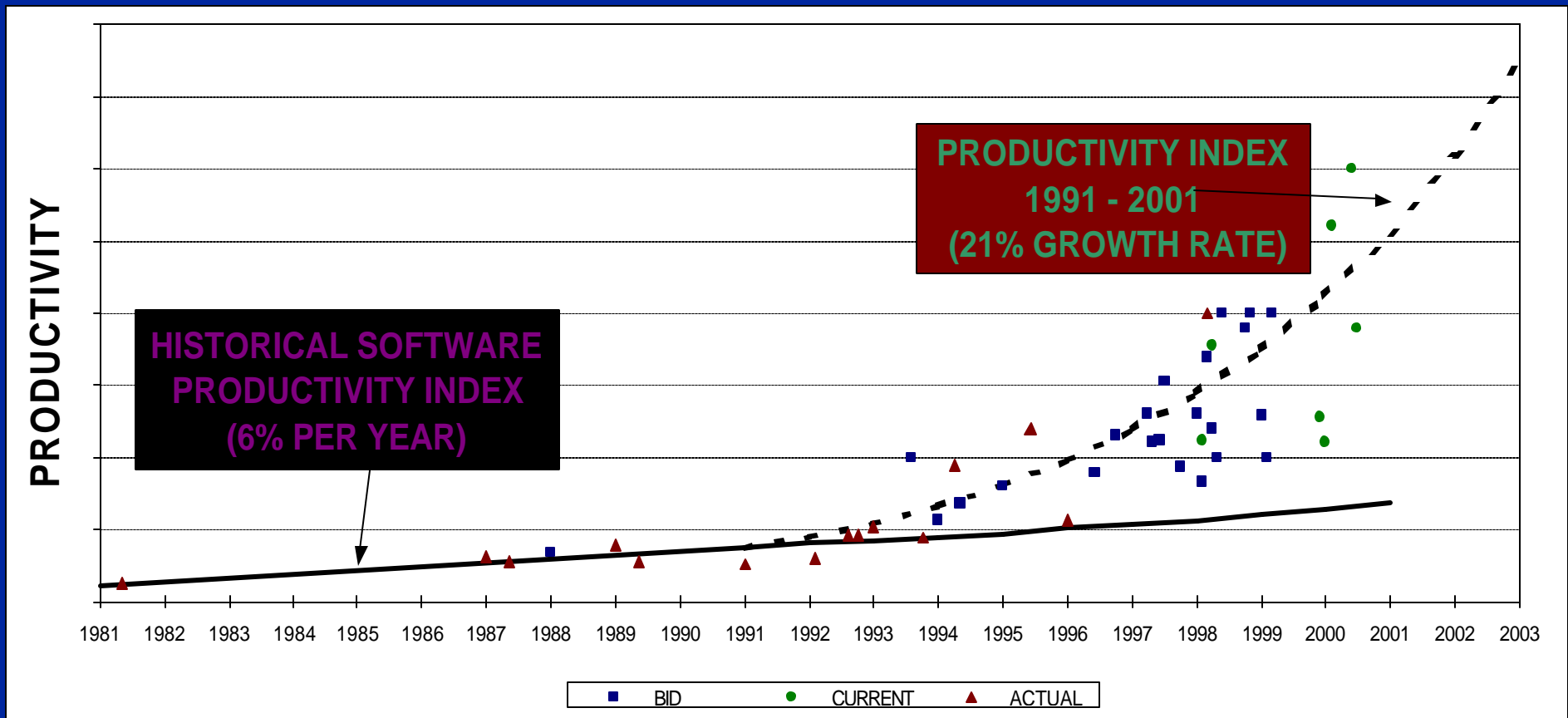
* **Systems Integration in Owego, NY**

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MS2* Syracuse Productivity

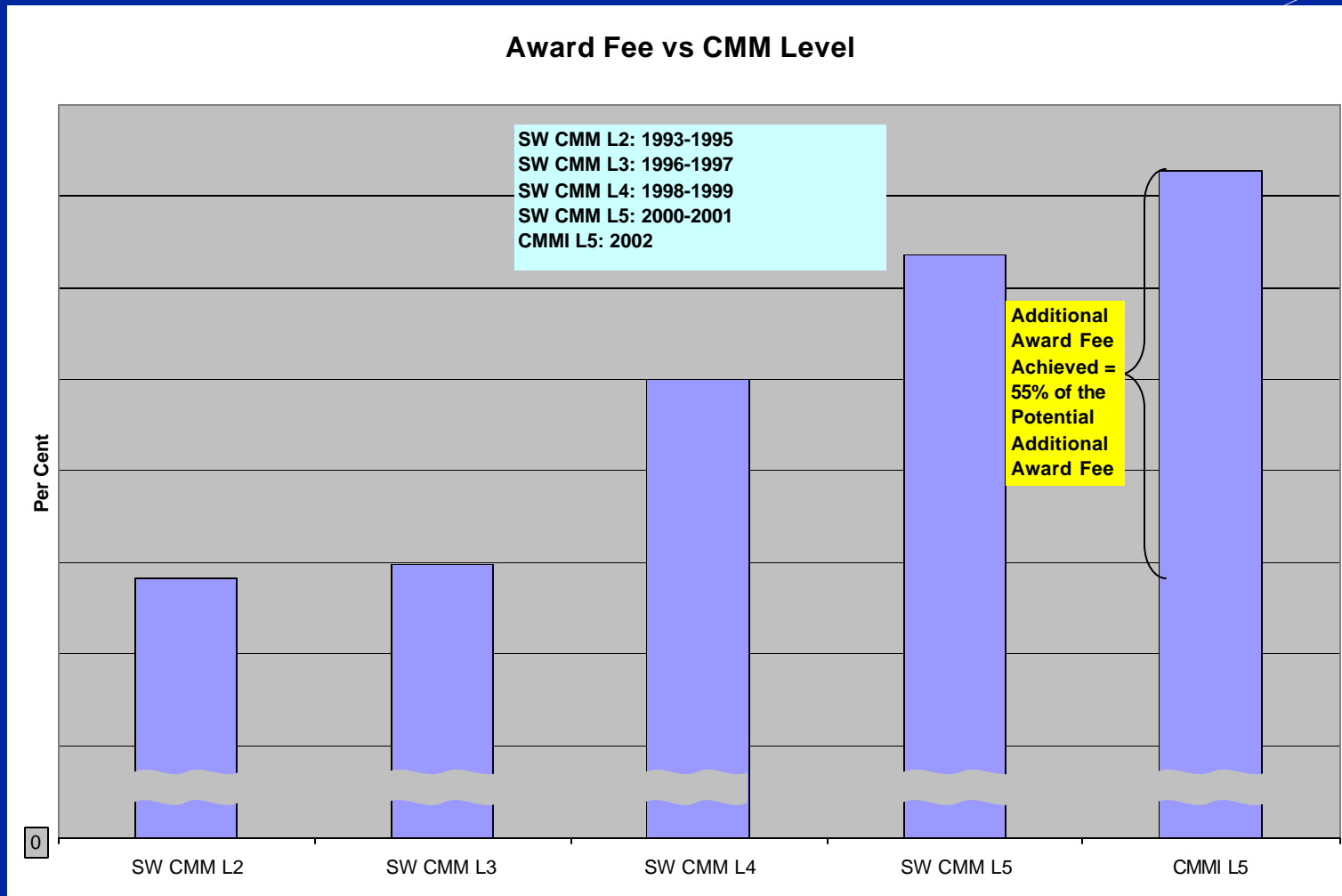


*** Maritime Systems and Sensors**

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Lockheed Martin M&DS* Award Fee



* **Management & Data Systems**

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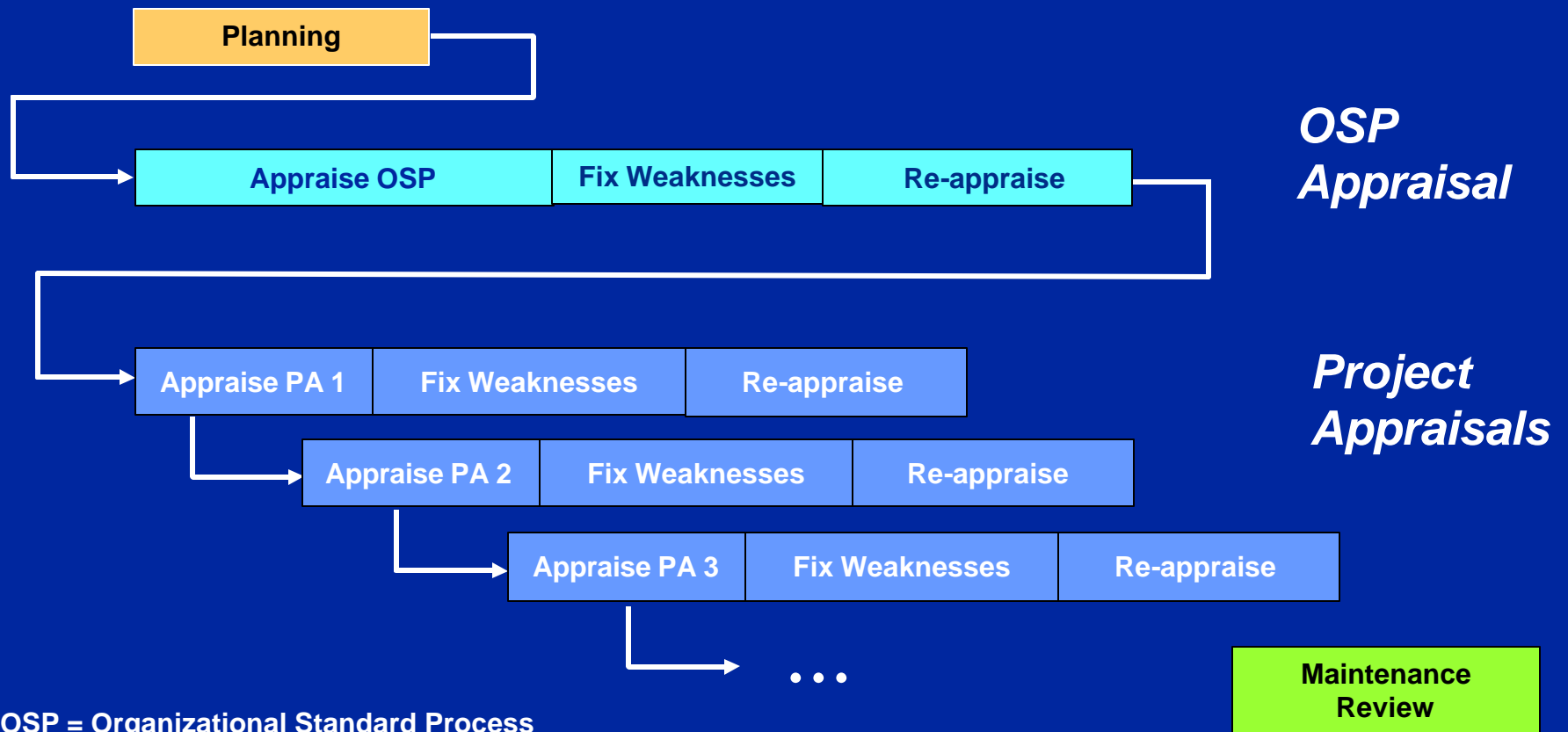


- ***Corporate policy requires CMMI[®] adoption***
- ***CMMI[®] is being addressed in the context of our business requirements***
 - ***Our Integrated Engineering Process (LM-IEP) standard includes CMMI[®]***
 - ***CMMI[®] complements our lean and six sigma initiatives***
- ***An incremental appraisal approach is being deployed***
 - ***Lockheed Martin's Continuous Appraisal Method (CAM) is efficient and effective***
 - ***CAM meets ARC* Class A method requirements***
- ***SCAMPISM is being used to meet customer requirements***

** Appraisal Requirements for CMMI[®]*

SM SCAMPI is a service mark of Carnegie Mellon University.

Incremental Appraisal Using CAM



OSP = Organizational Standard Process
PA = Process Area

Institutionalization focus with minimal project disruption

CMMI® Achievements*



- *4 Maturity Level 5 organizations, including the world's first*
- *2 Maturity Level 4 organizations*
- *3 Maturity Level 3 organizations*

** Maturity levels obtained using SCAMPISM and CAM*

We're making progress toward our corporate objective

The Road Ahead



- ***CMMI® models need to be expanded for better***
 - ***Life cycle coverage, e.g., maintenance, acquisition***
 - ***Enterprise scope coverage, e.g., HW engineering, finance, strategic planning, workforce management***
 - ***Mechanisms for adding specialty areas such as safety, security and services to the model's core***
- ***Incremental, delta and multiple certificate appraisal options are needed in SCAMPISM for more efficient and effective appraisals***
- ***Process improvement benefits are continuing with CMMI® but better ROI data is needed***

Process improvement is a journey with significant benefits accruing along the way – CMMI® must also improve!

LM-IEP Context

