



Closing Remarks

www.sematech.org/public/resources/ediag/index.htm

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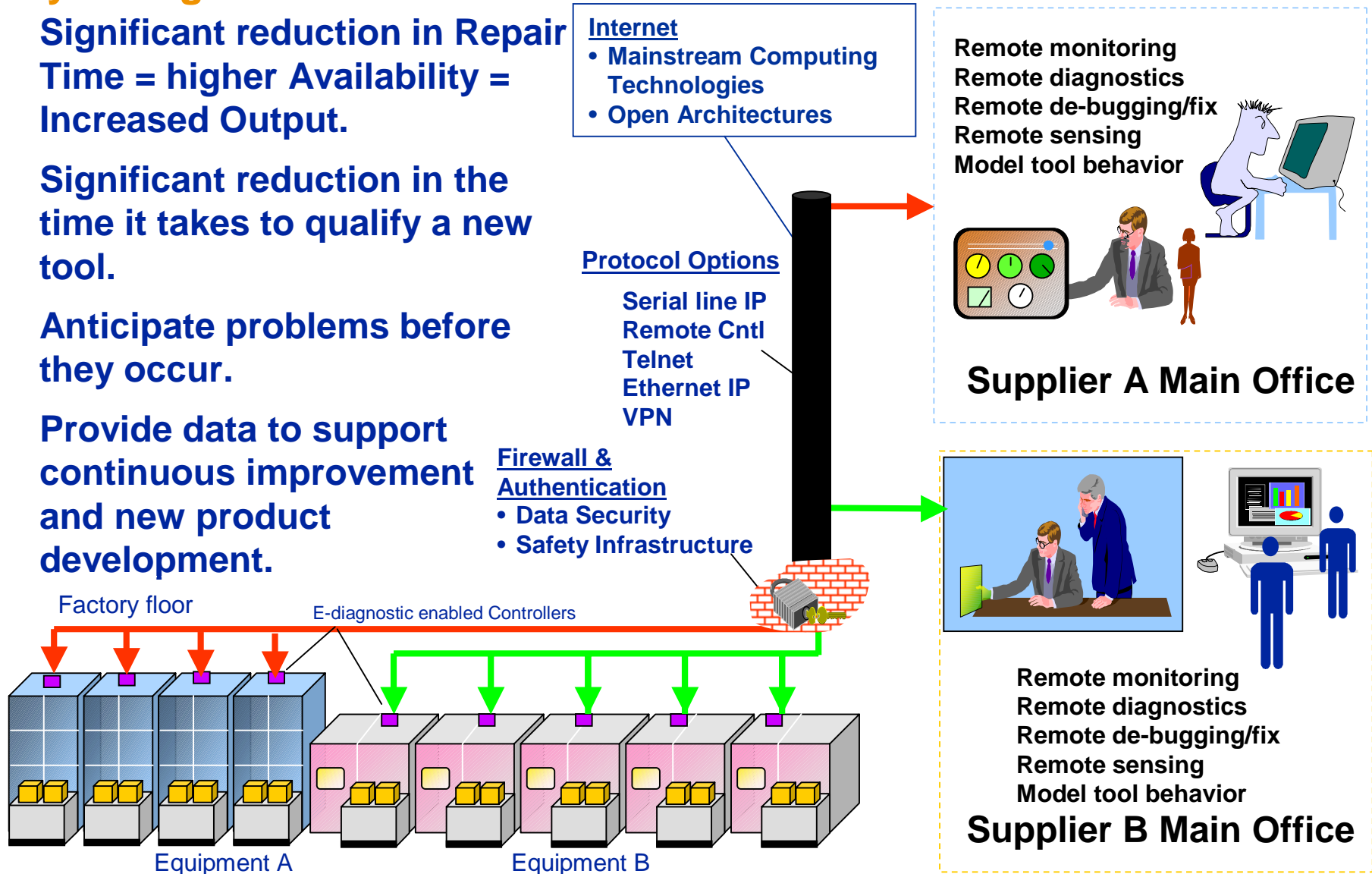
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e-Diagnostics Vision

Why e-Diagnostics?

- Significant reduction in Repair Time = higher Availability = Increased Output.
- Significant reduction in the time it takes to qualify a new tool.
- Anticipate problems before they occur.
- Provide data to support continuous improvement and new product development.



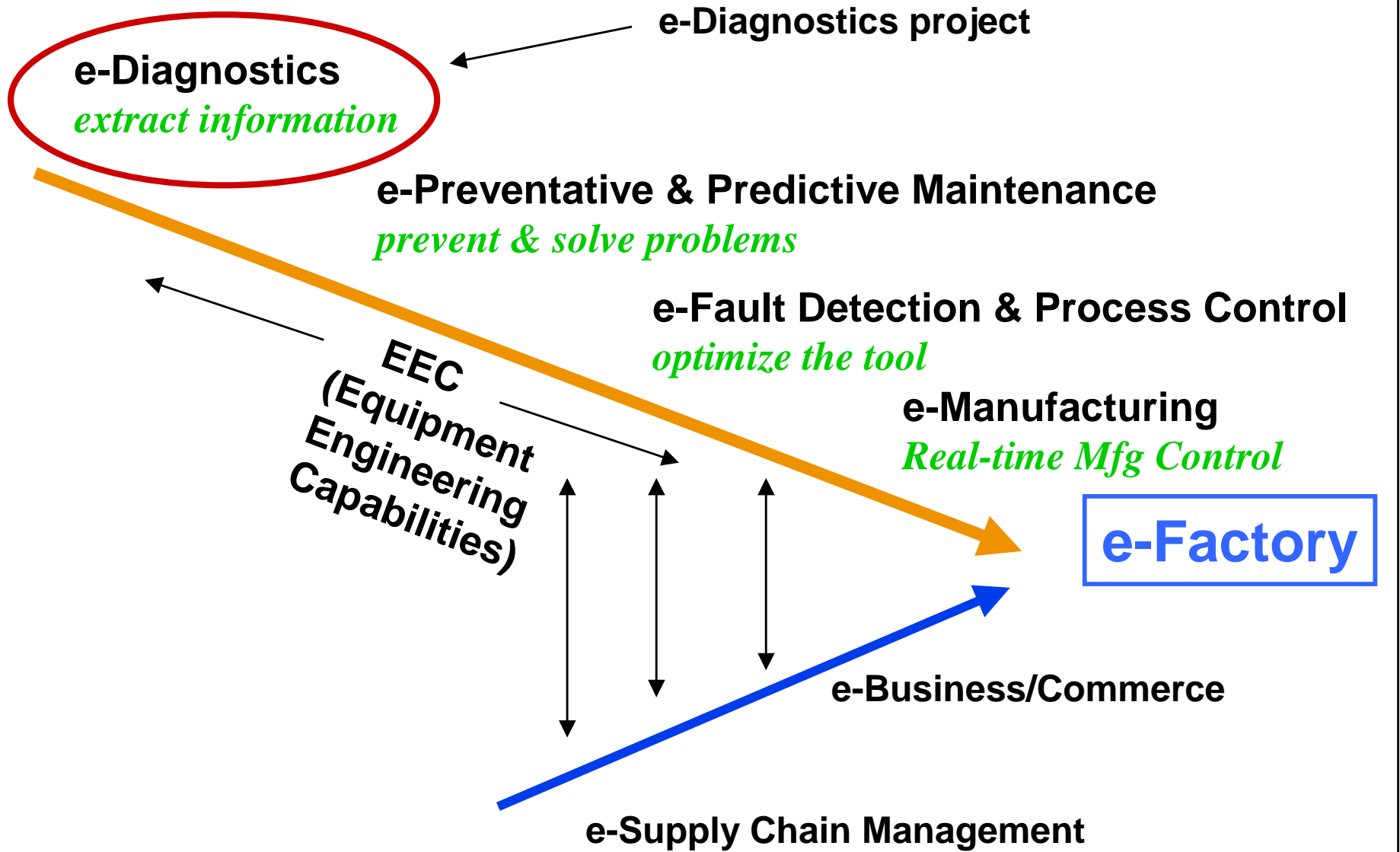
e-Diagnostics Summary

- **300mm Standards implementation cannot be compromised by this effort!!**
- **e-Diagnostics is an outstanding ISMT example of IC makers and suppliers working together on a win-win initiative**
 - e-Diagnostic guidelines and capability definitions developed in H2'00
 - For the industry to reap the benefits, we must adhere to the Guidelines
 - e-Diagnostics solutions should follow these Guidelines
- **ISMT and SELETE/JEITA are collaborating on an Equipment Engineering Capabilities (EEC) concept**
 - Produced a set of global system guidelines for the e-Diagnostic capability
 - e-Diagnostic solutions should follow these guidelines
 - Future collaboration will expand the guidelines into e-Manufacturing

The Future Needs are Global

- **Chip makers and equipment suppliers must develop a common strategy for the information systems used for Equipment Productivity Improvement**
- **This strategy must be:**
 - **a GLOBAL consensus and unified strategy**
 - **one that addresses the weak and missing components**
 - **one that solves integration problems**
 - **one that leads to open consensus standards**
 - **one with a consensus business model**
- **The Selete/ISMT EEC collaboration will provide this strategy and the necessary guidelines**
 - **First rollout @ SEMICON West**
 - **e-Diagnostics is addressing tool data availability**

Path to e-Factory - ISMT



e-Diagnostic Next Steps

- **Refine implementation roadmap (Q2 2001)**
- **Transition guidelines (requirements) to standards (2001)**
- **Prototype e-Diagnostic/EE solutions to verify guidelines (2001)**
- **Continue global collaboration on other e-Manufacturing topics (2001)**

Thanks for your engagement and support!!