

e-Diagnostics and e-Manufacturing Workshop

Closing Comments

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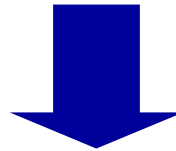
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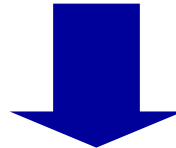
What we've seen today

- **e-Manufacturing is becoming a reality:**

e-Diagnostics and EEC guidelines



SEMI standards



Implementations

- **Grand assumption of e-Manufacturing**
 - Access to the required data AND collaboration AND task sharing

Summary

- **Need industry consensus for e-Manufacturing**

 - EEC systems shall have open architectures

 - EEC systems shall make data readily available to the chip maker

- **Collaboration among device makers, equipment makers, and software suppliers is a must**

 - Detailed equipment data is necessary through Interface A

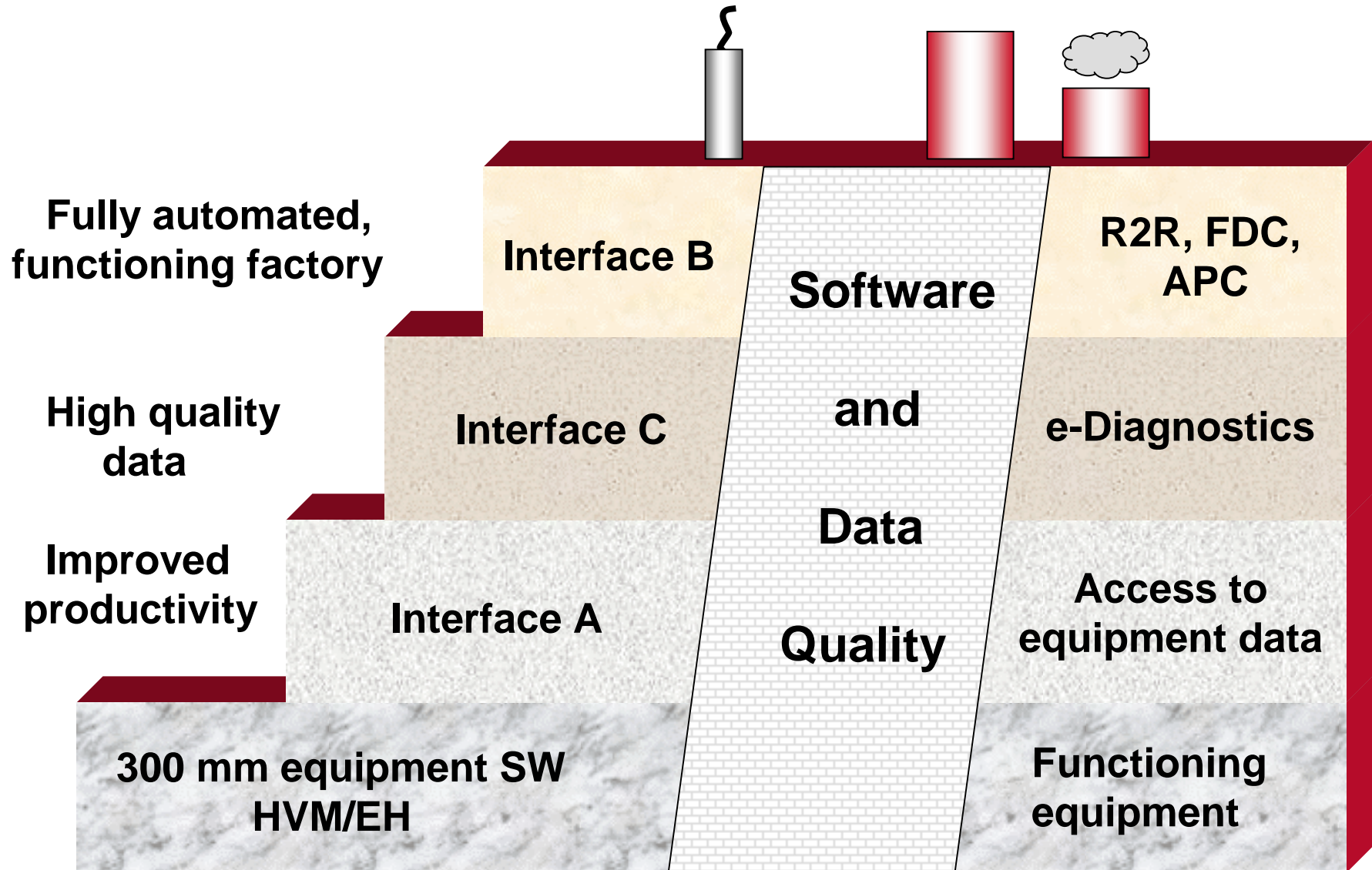
 - The next step is detailed data analysis by EEC applications

- **Need to improve the standardization process**

 - Prototype system development and standardization is critical

 - Utilize the ISMT prototyping offerings

Integrated e-Manufacturing



INTERNATIONAL
SEMATECH

Next Steps

- Continue to develop an industry-wide consensus for e-Manufacturing
- Discuss openly business and technical issues/barriers
- Complete standards development
- Develop standards that are testable and certifiable
- Expand and accelerate early standards validation testing
- Commercial availability of Interface A is needed ASAP

Key Messages

- 300mm standards implementations is and remains the highest priority, standards have been very effective in 300mm
 - e-Manufacturing factories build on 300 mm communication standards, E37, E40, E84, E87, E90, and E94 must be implemented consistently
- OEMs are deploying e-Diagnostics & EEC solutions (100's of tools)
 - and reporting significant benefit
- Interface A (data off the equipment) is the current focus: standardized, open, and with accurate data
- Prototypes needed: Interface A and e-Diagnostics
- Chipmakers and suppliers must cooperate early to assure mutual success
- International SEMATECH and Selete/JEITA are collaborating to assure these capabilities are made available as soon as possible