

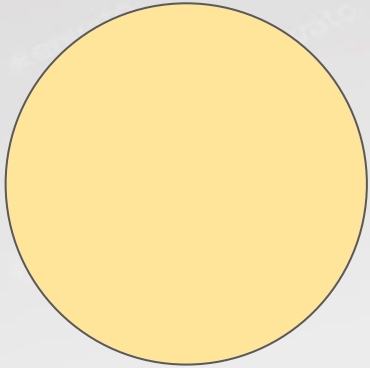
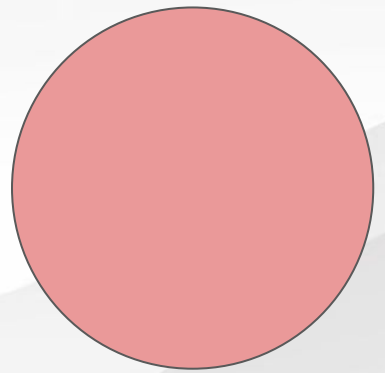


Adaptive Reuse – If Buildings are no Longer Demolished

Pasi Sillanpää



The Core Question of Sustainable Architecture



How do we make
buildings that renew
themselves over
time?



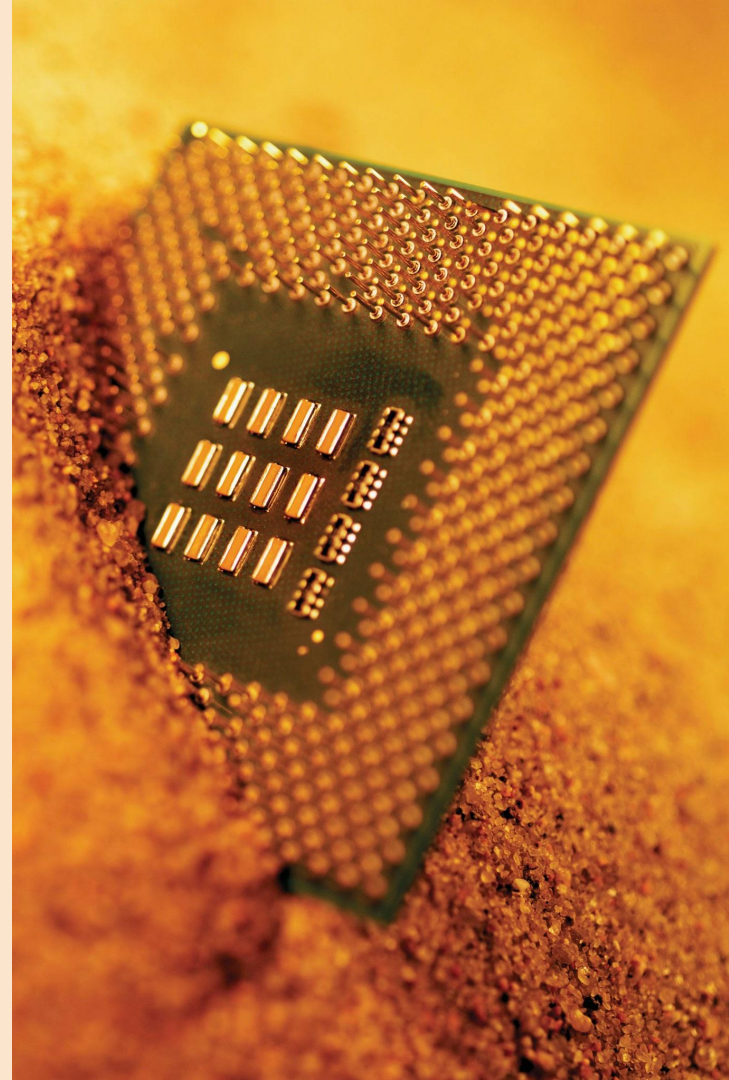
Key challenges in the semiconductor manufacturing:

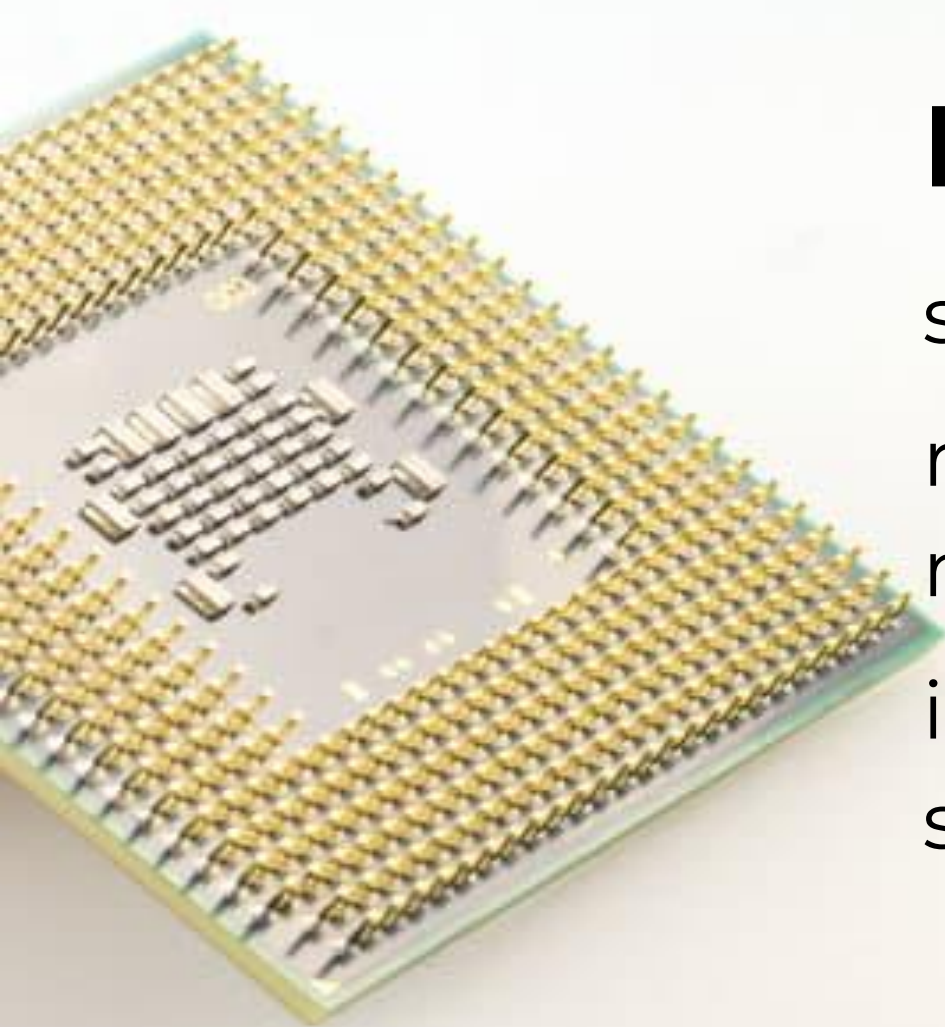
- Energy
- Water
- Process gases
- Cooling
- Building inflexibility
- Security of supply

**Sustainability is one of the most
controversial issues in semiconductor
manufacturing**

And solving it requires a holistic rethink

Possible scenario:
**From a single
inflexible building
to modular
solutions**





Fab in a module

standardized frame

replaceable technology
module

integrated utility
systems



Standardized modules

Case Onninen:

Technical wall for old
apartment buildings

The benefits

building could last 40 years or more

module 5–10 years

recyclable and reusable modules

much more sensible technology cycle



Thank You!

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