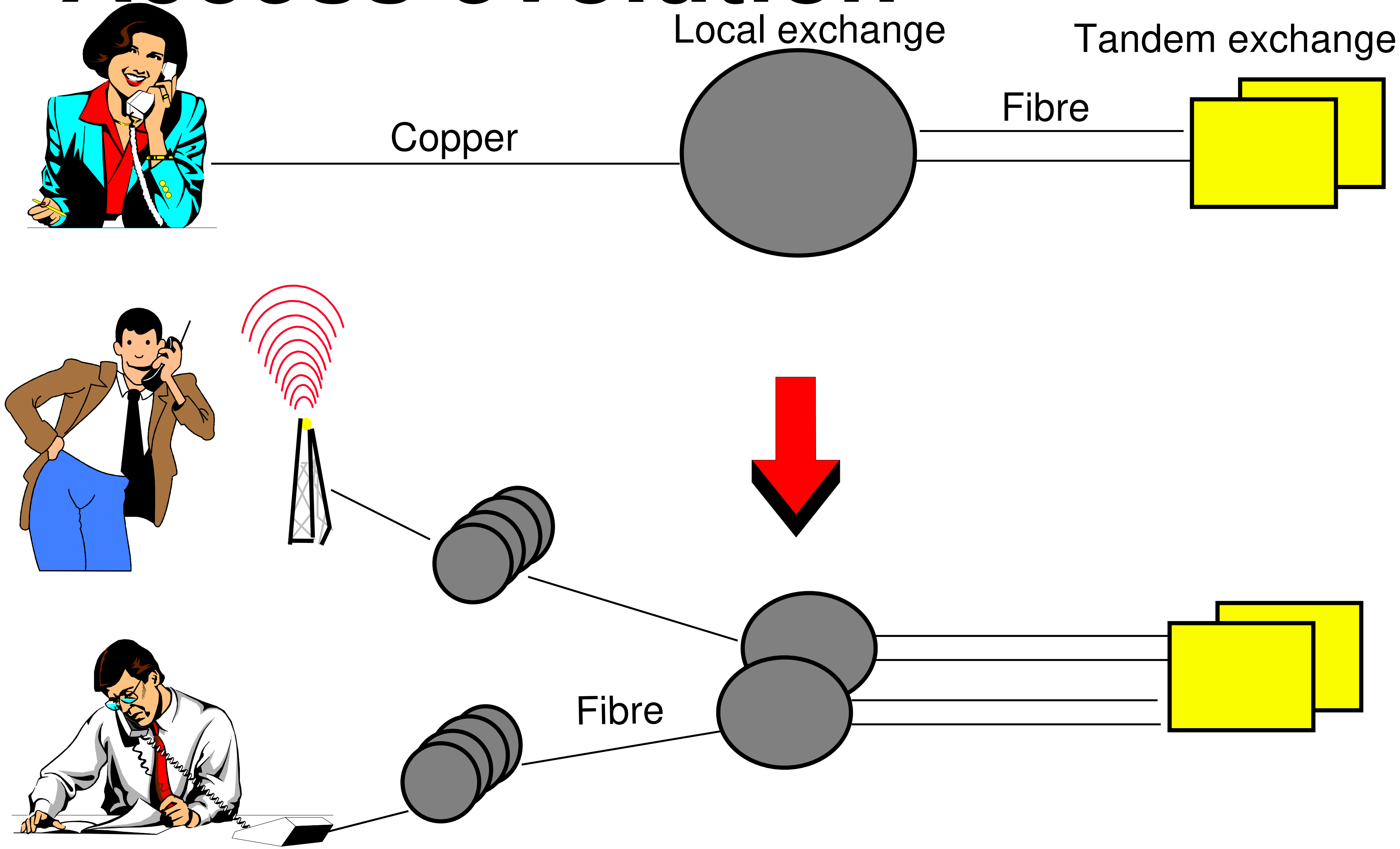
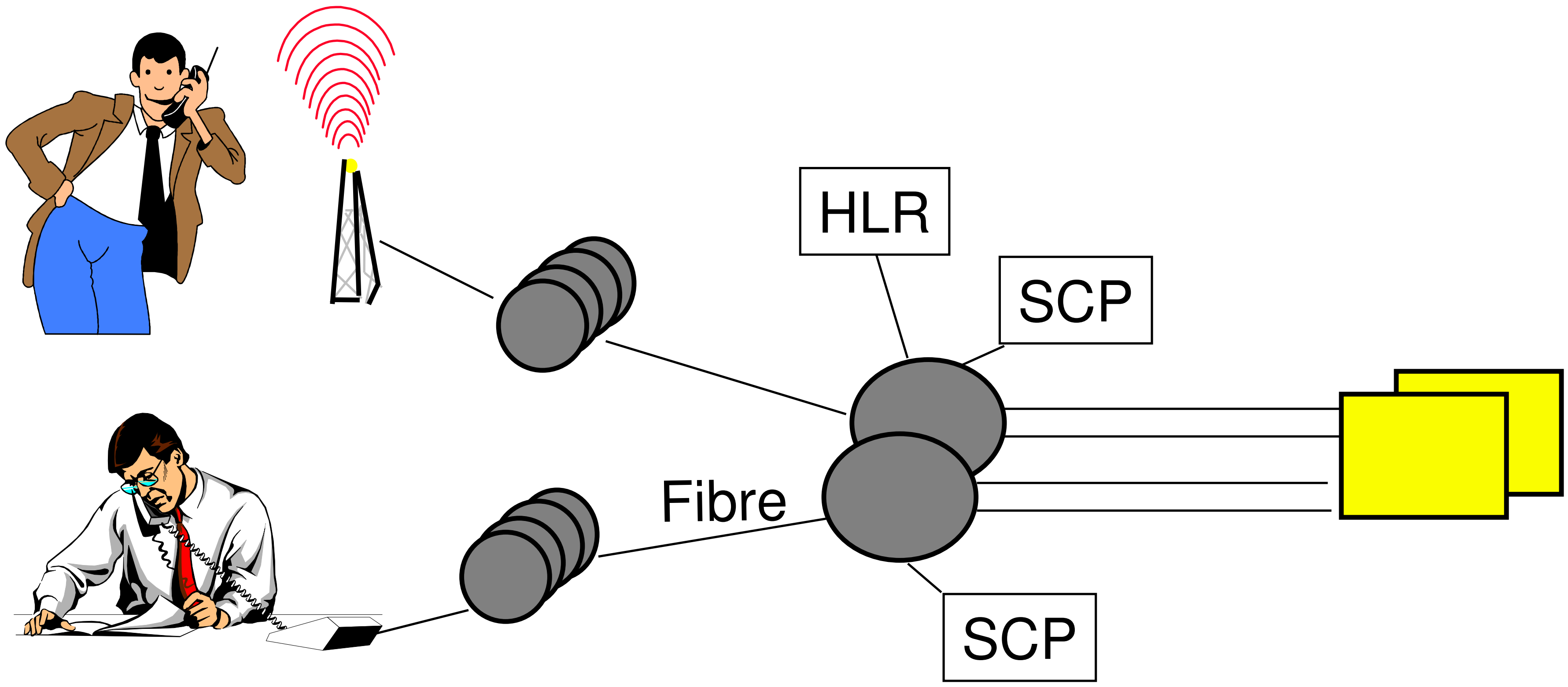
Access evolution



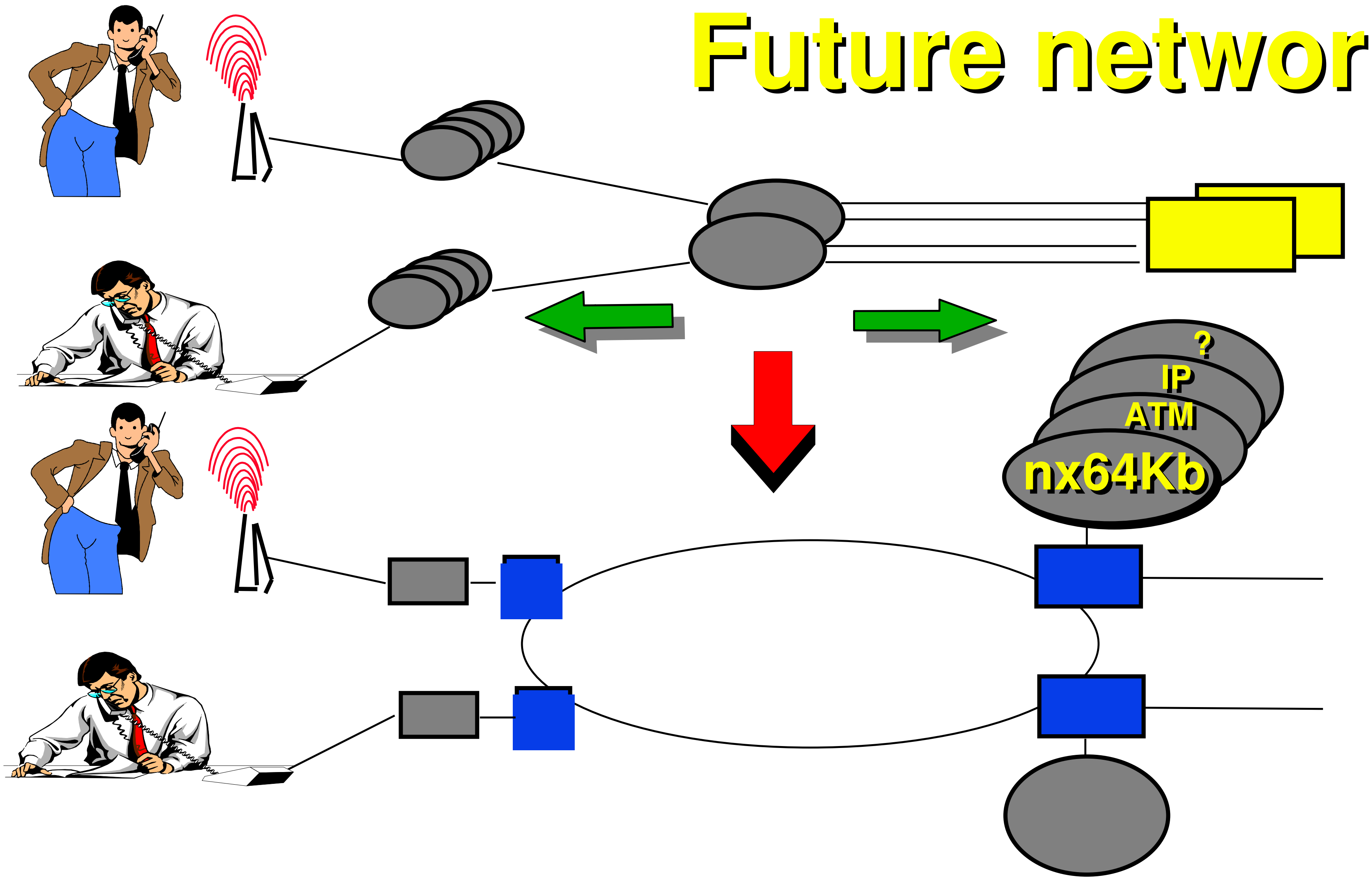
Systems Characteristics

- Proprietory
- Circuit switching
  - Traffic flow handled by specialized HW
  - Call set-up dimensioned by humans

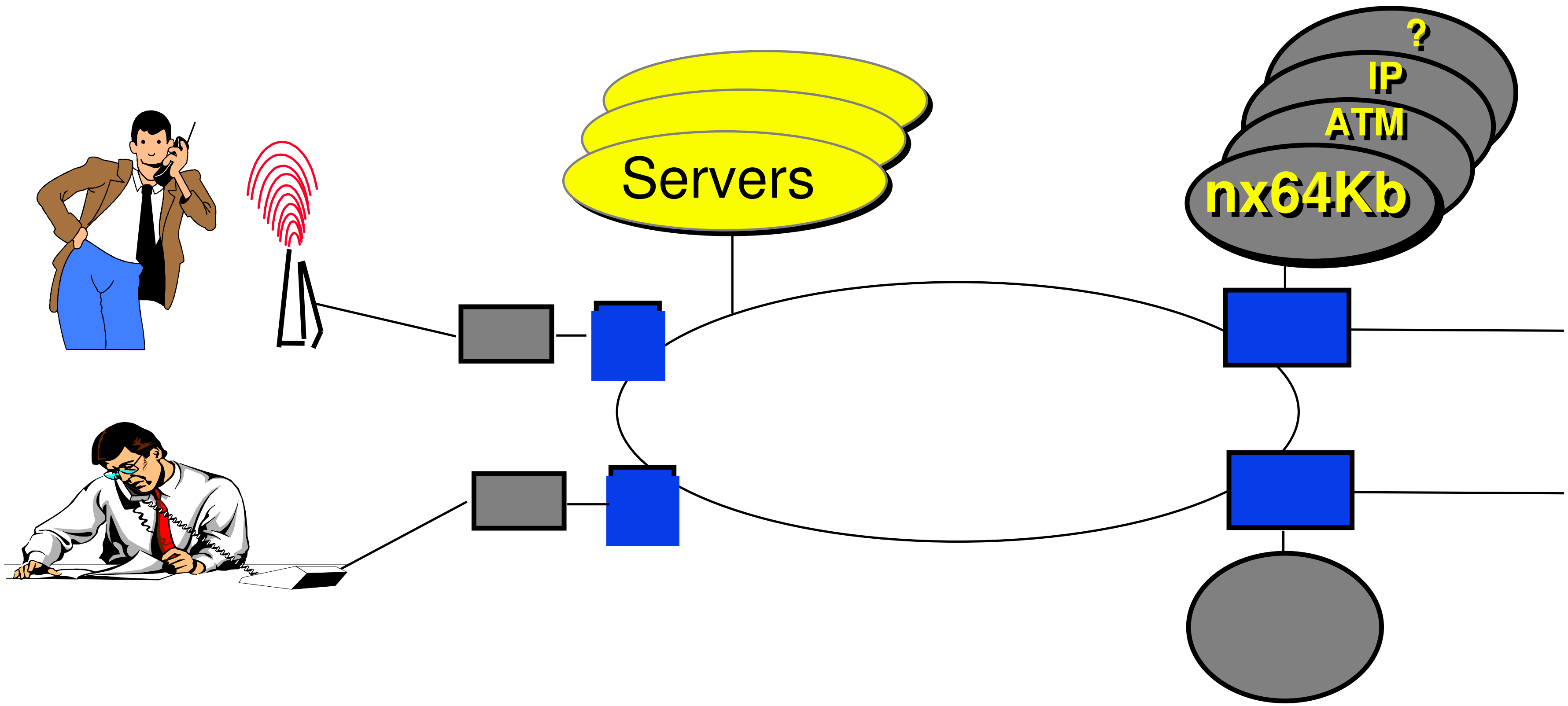
Access evolution



Future network



Future network

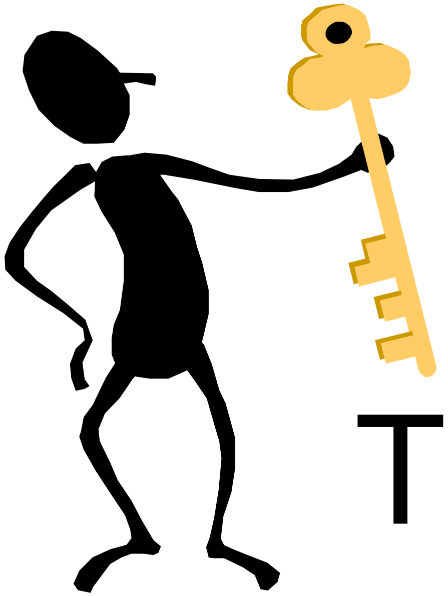


Systems Characteristics

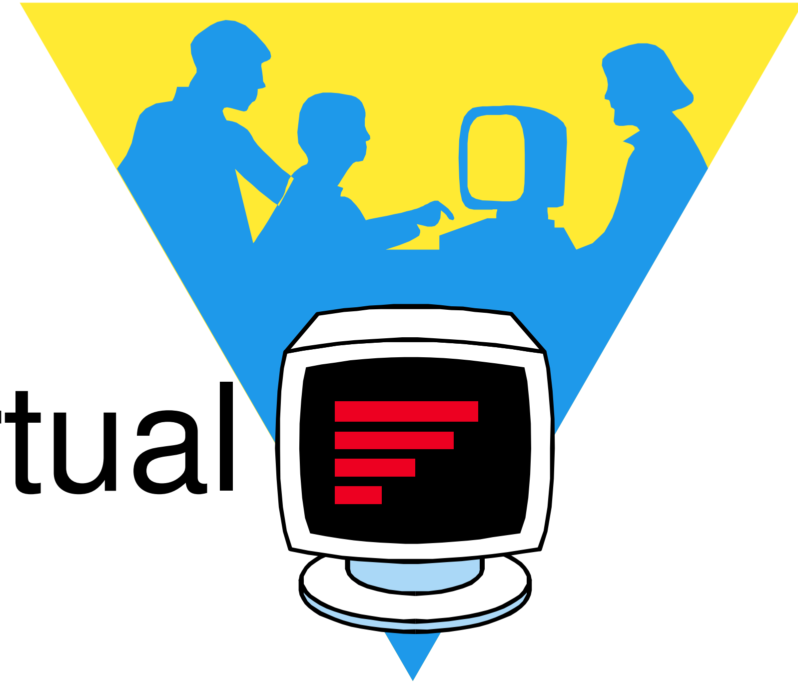
- Move towards open standards
- Packet switching
  - Traffic flow handled by SW

Real personal meetings

- can use all senses
- are often planned

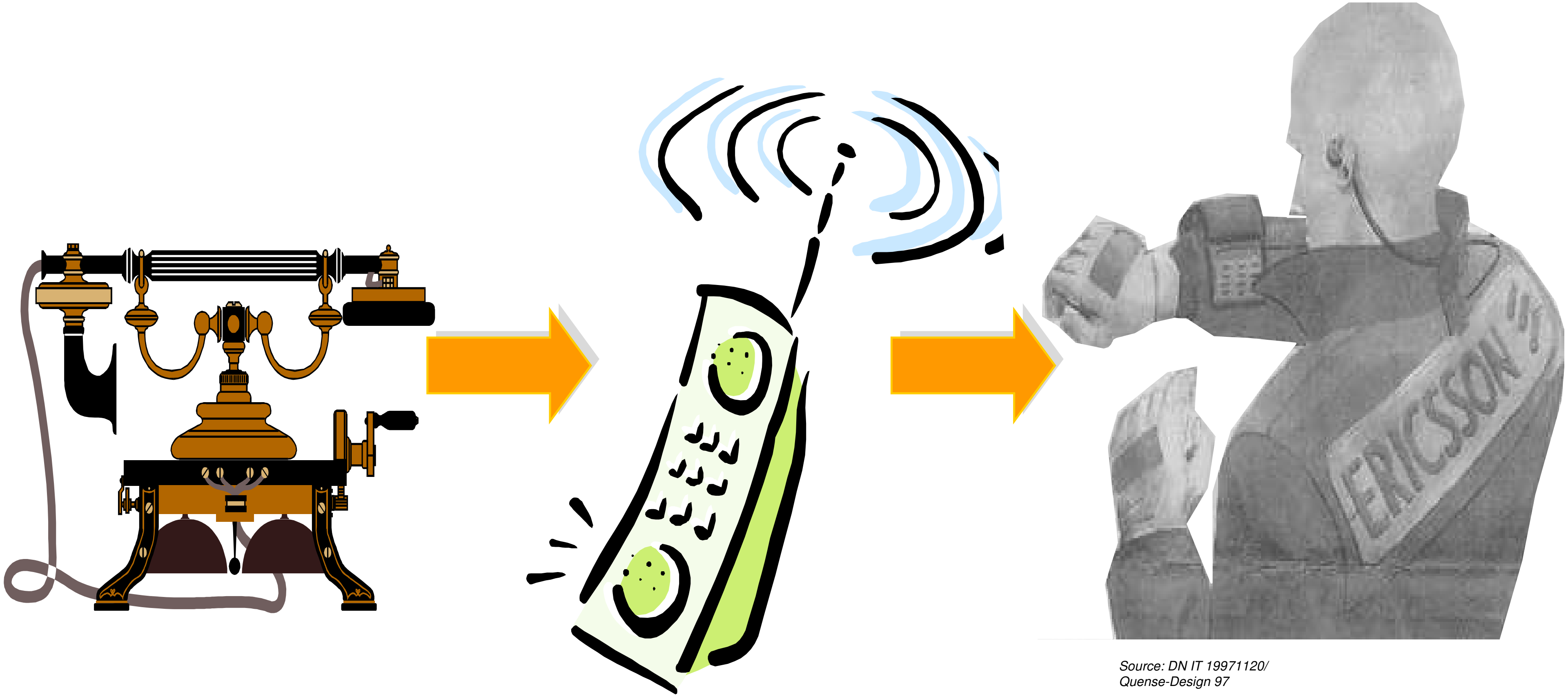


The key to virtual meetings is



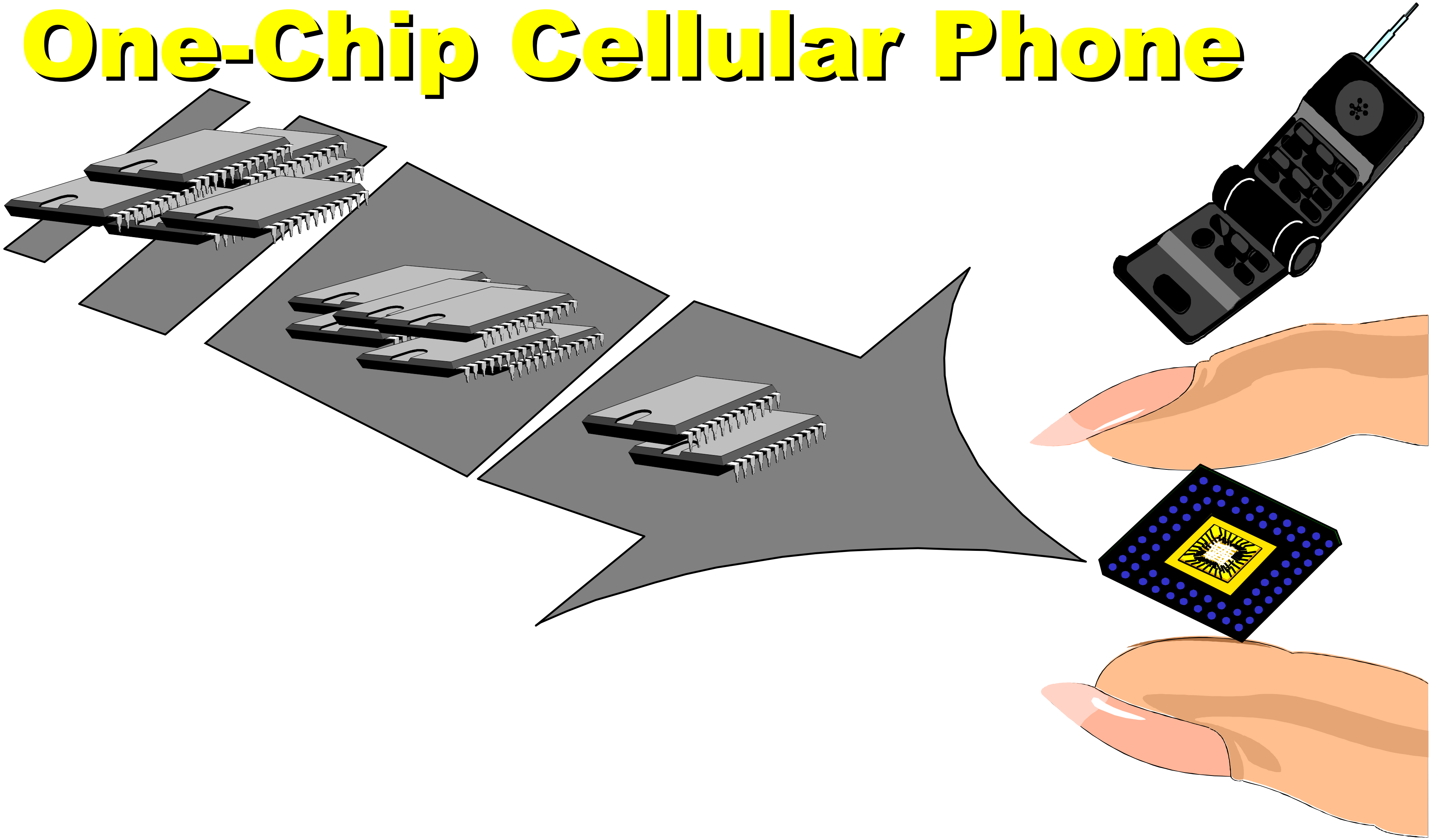
presence

Growing complexity



Source: DN IT 19971120/
Quense-Design 97

One-Chip Cellular Phone



Critical factor

Power

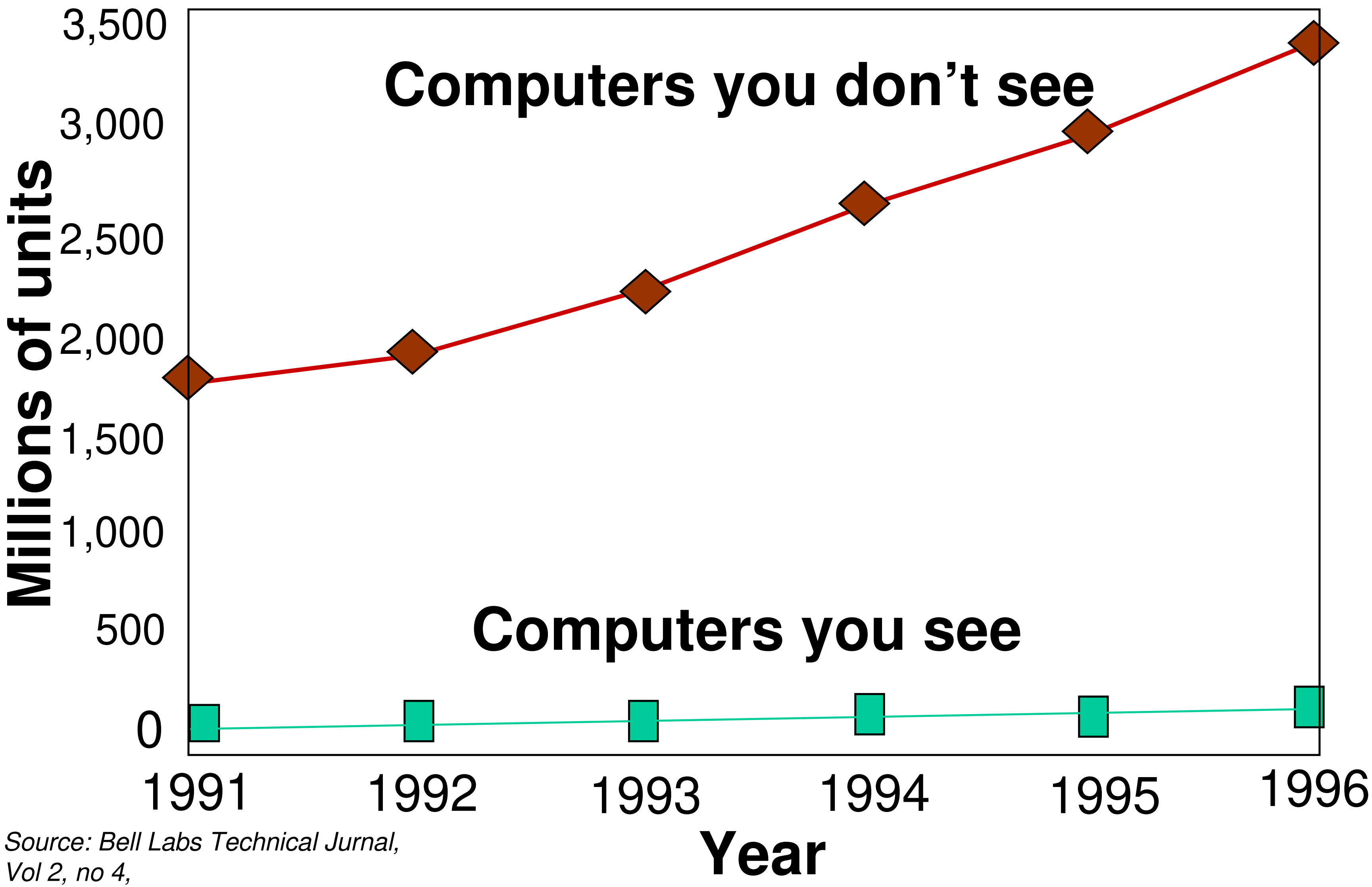
- integration of RAM
- integration of flash memory

Problems

- code volumes explode

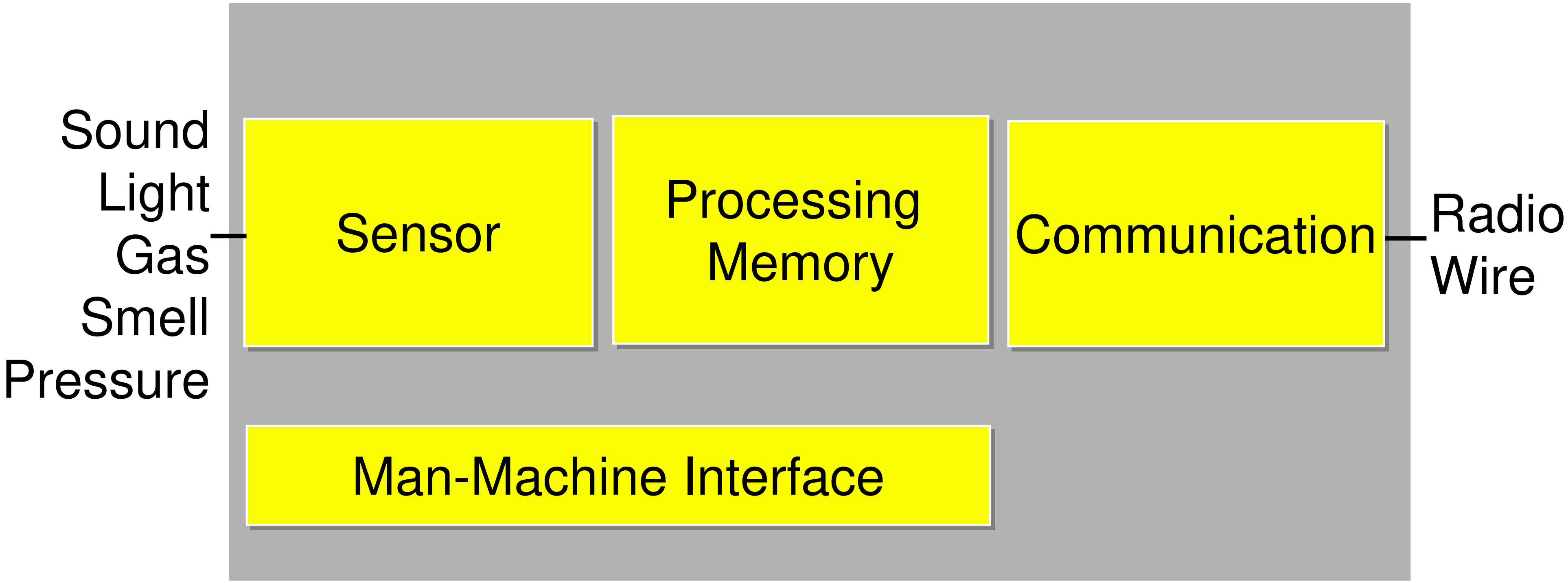
Required

Cheap, small, robust, storage technology



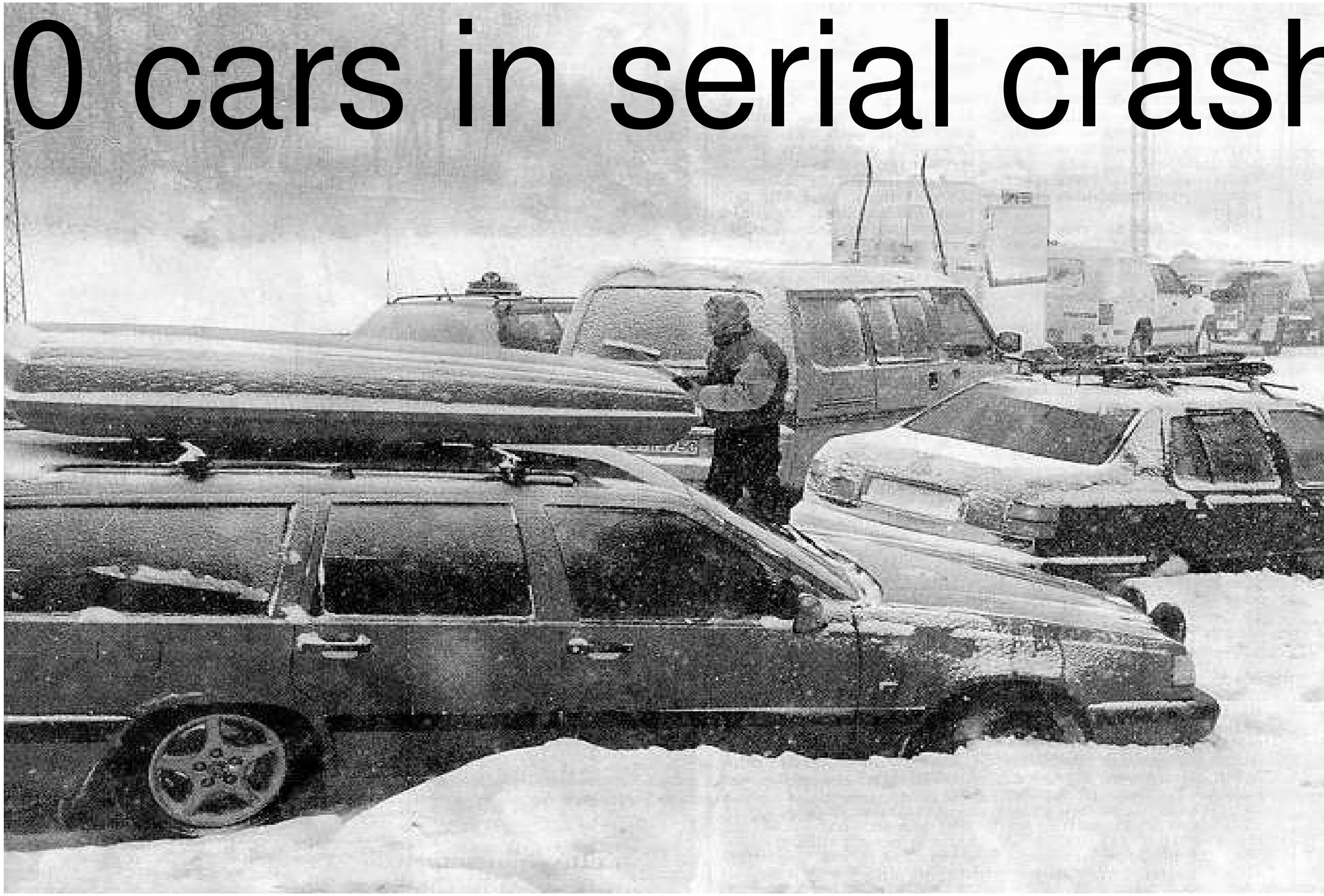
Source: Bell Labs Technical Jurnal, Vol 2, no 4, Autumn 1997

IC's for Things That Communicate

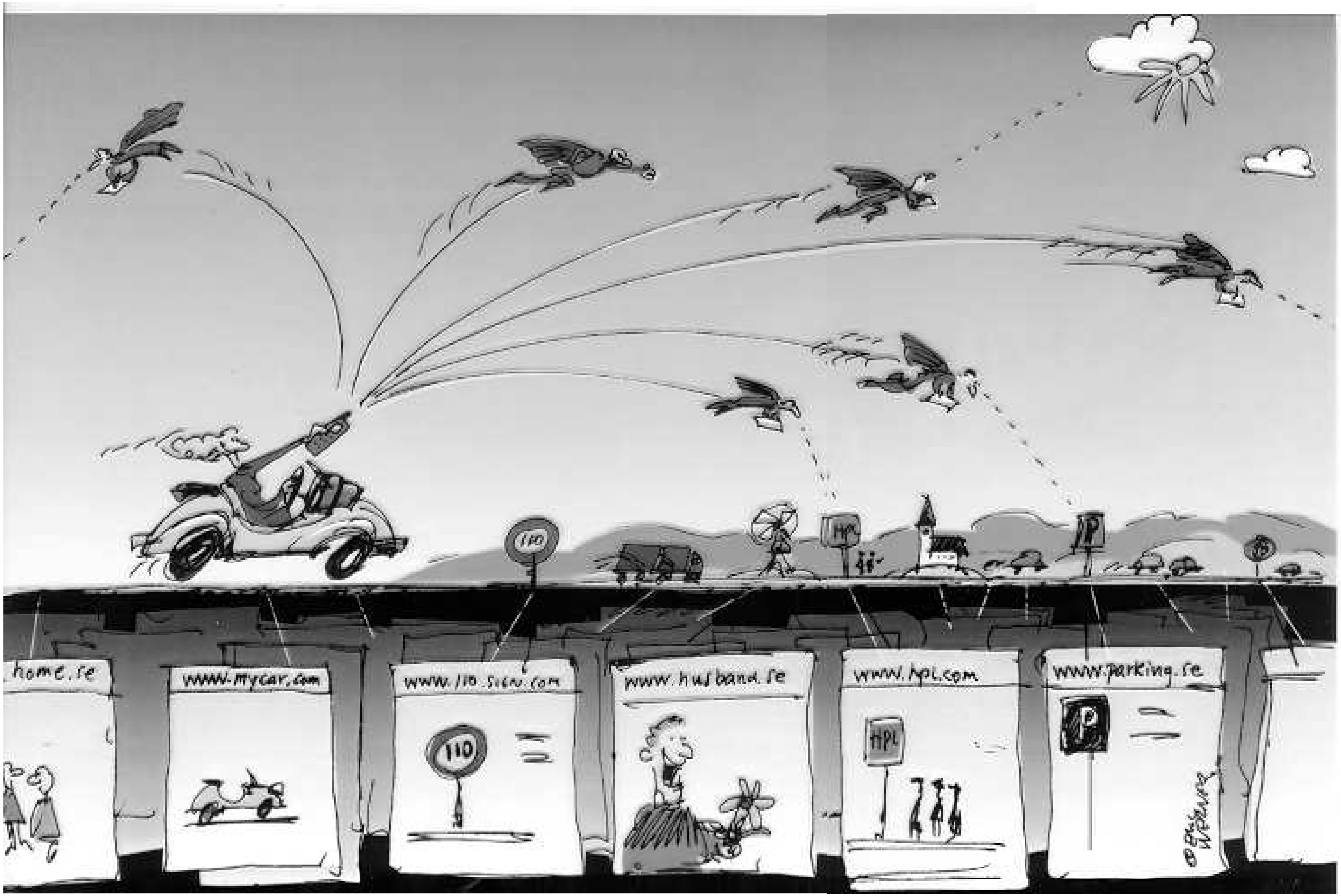



Welcome, Mrs Johnson. I have opened the door for you!

30 cars in serial crash



Source: DN 19980131



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HPL
P
home.se
www.mycar.com
www.110.sign.com
www.husband.se
www.hpl.com
www.parking.se
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HPL
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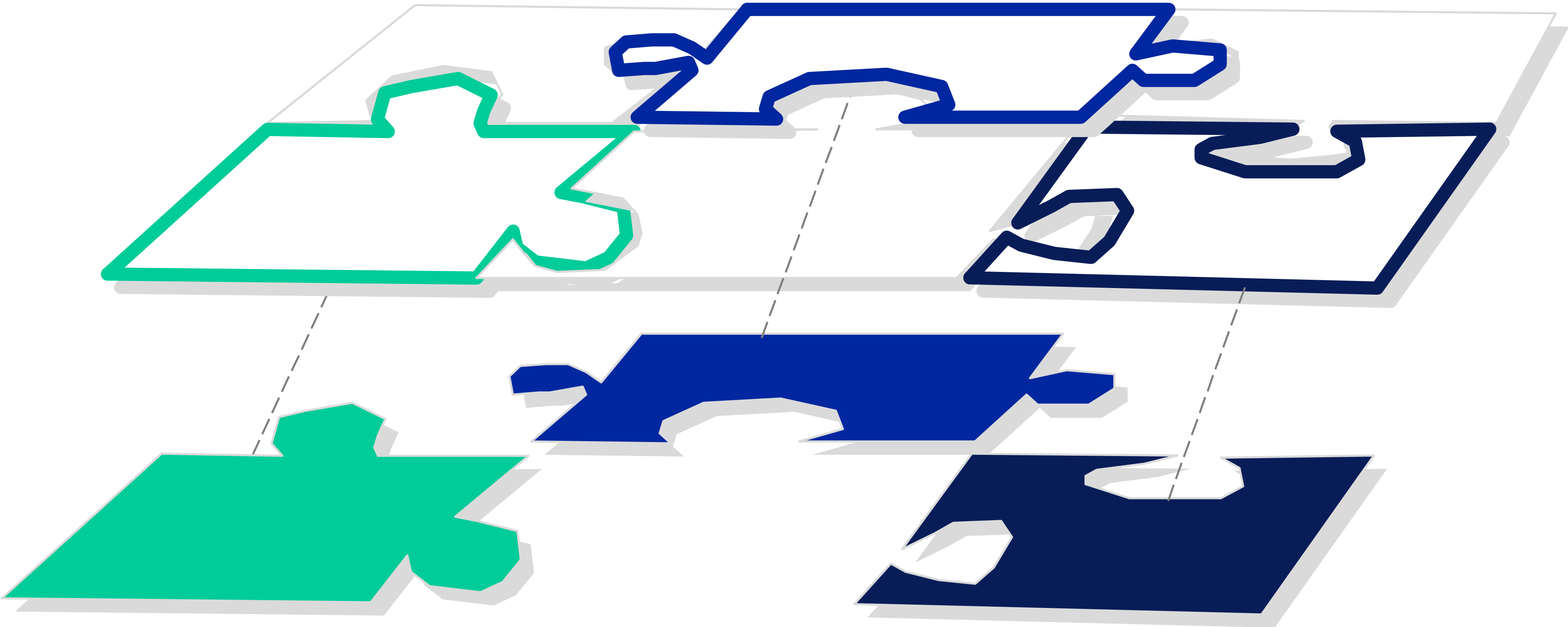
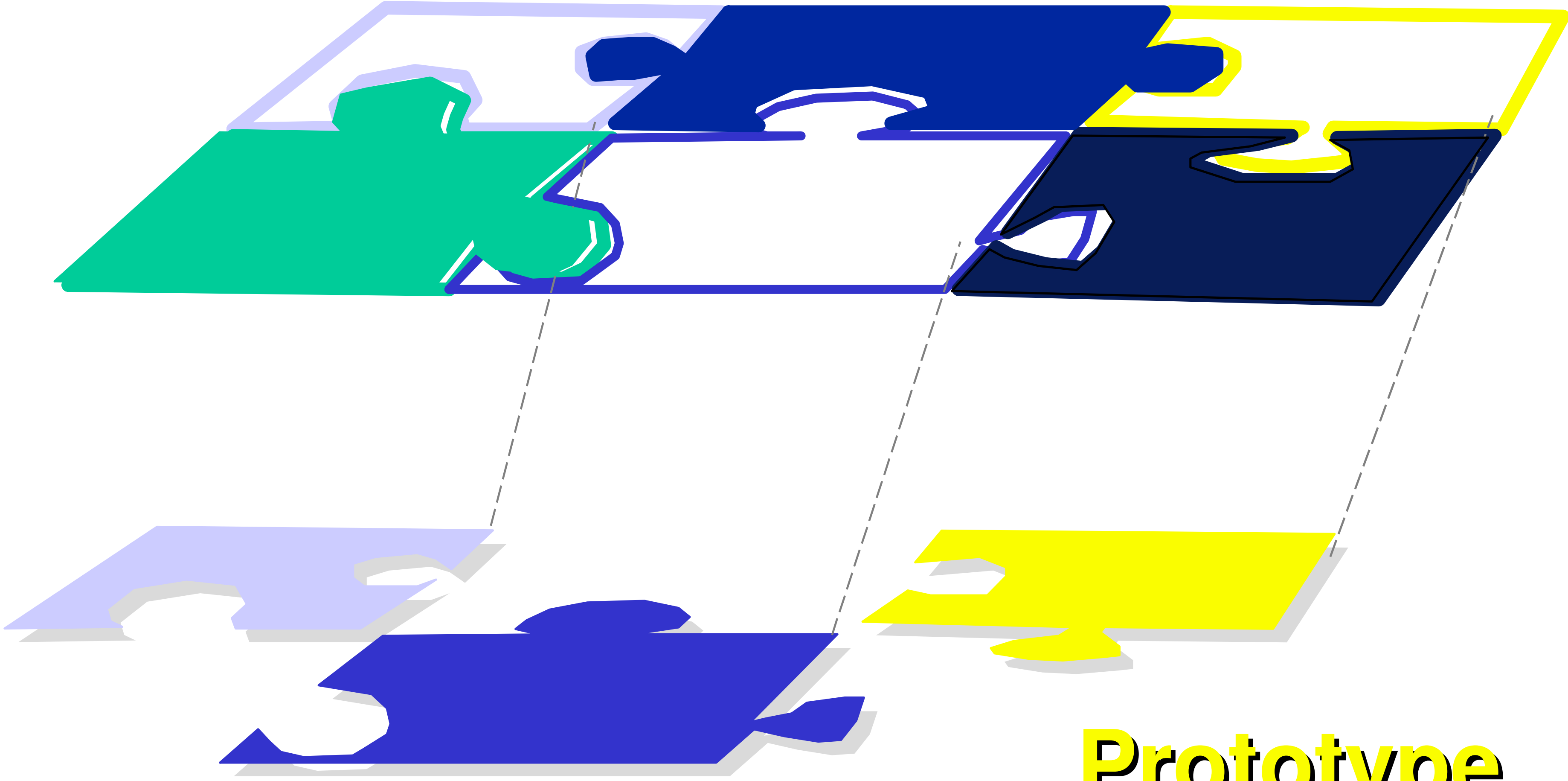
The most important factor in the design process is the DESIGNER



Existing Modules



Prototype Modules

Evaluate

- function
- performance
- architecture

Optimise

- Adjust architecture
- Select technology