

Infrastructure Processor Requirements

Key criteria

- Performance/board area
- Performance/W
- Price/performance
- Large-system integration support
- Tools
- Application-development infrastructure
- Architecture roadmap

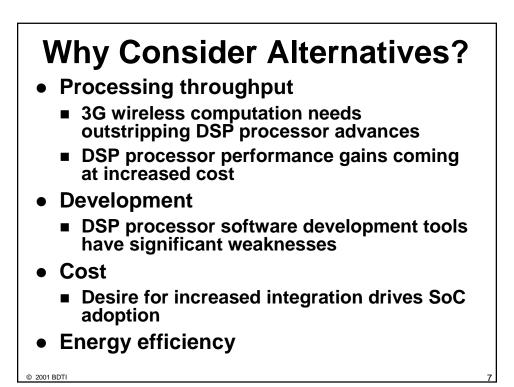
© 2001 BDTI

Terminal Processor Requirements

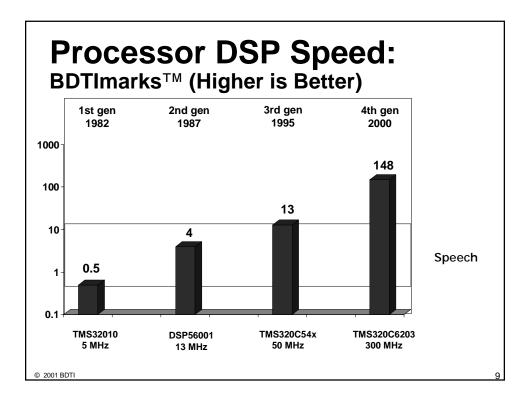
Key criteria

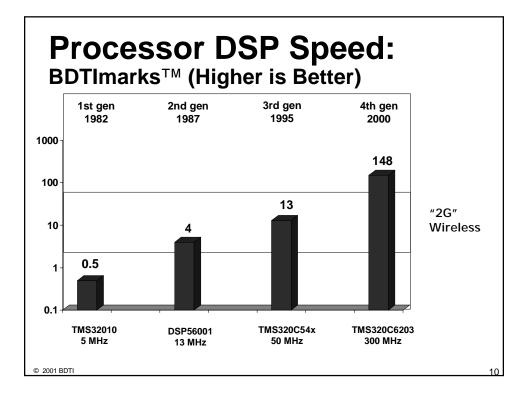
- Energy efficiency
- Sufficient performance
- Cost
- Memory use
- Small-system integration support
- Tools
- Application-development infrastructure
- Packaging
- Chip-product roadmap

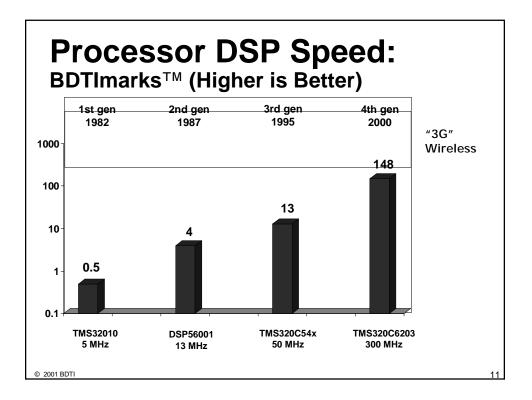
© 2001 BDTI

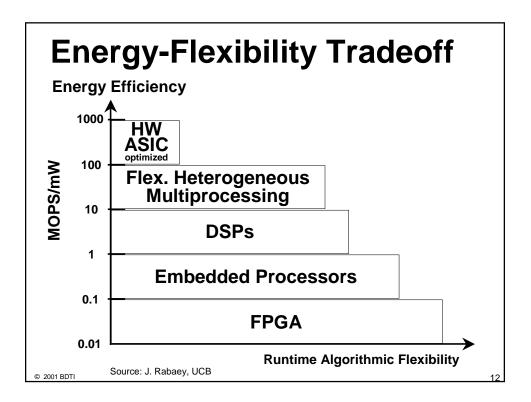


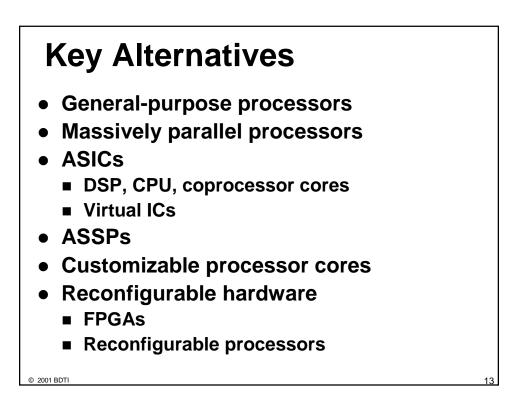
<text><text><text><text>

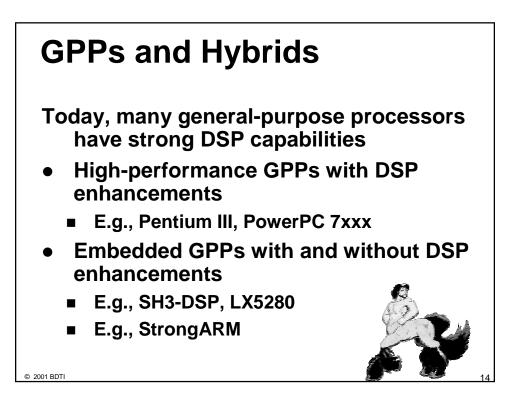


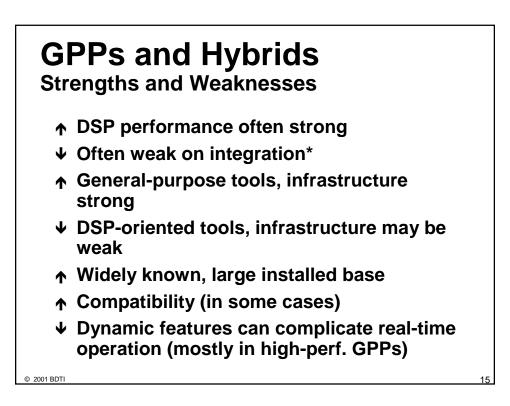


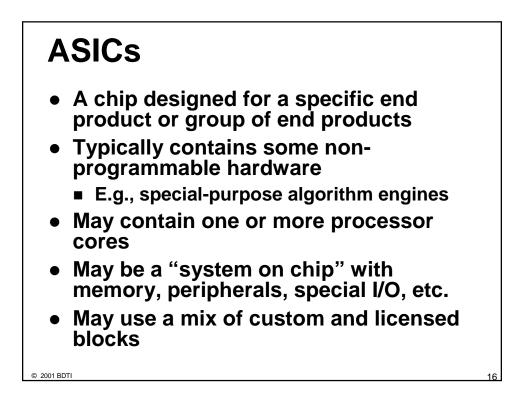


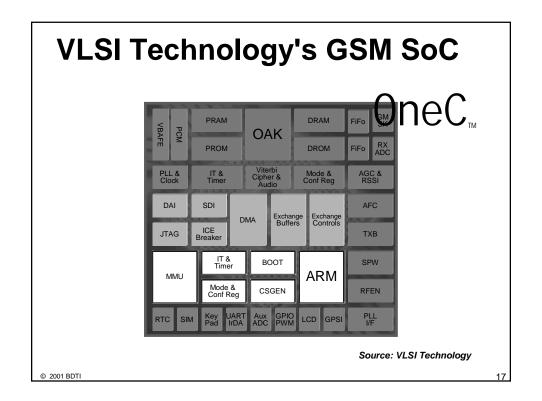


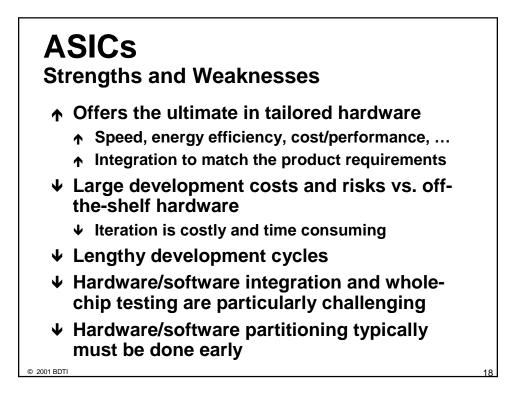


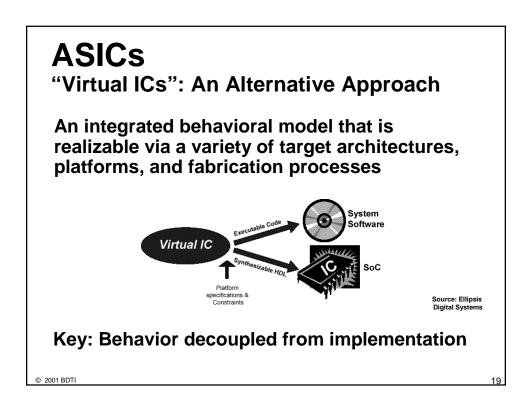


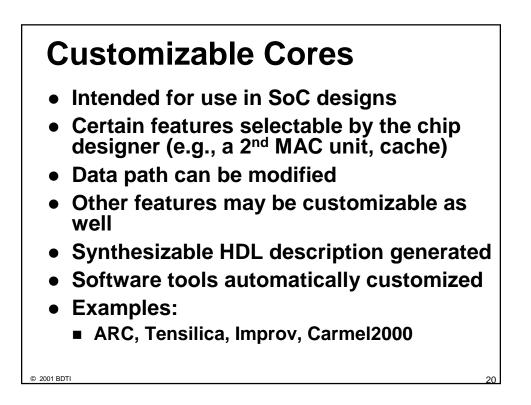


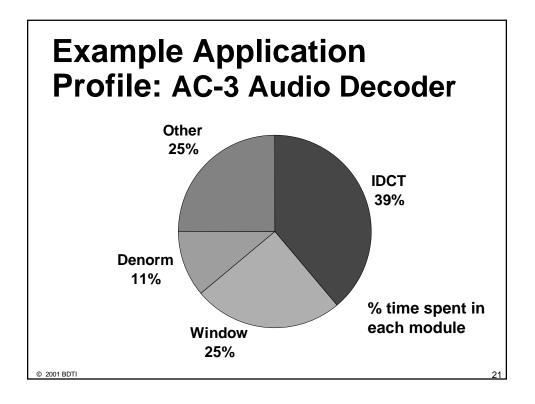


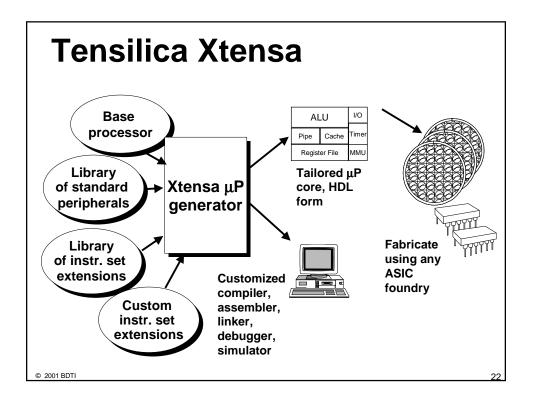


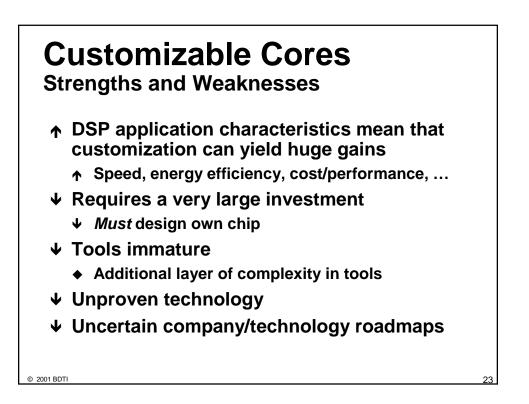


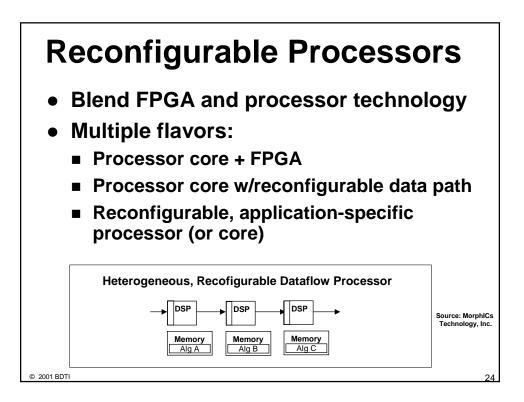


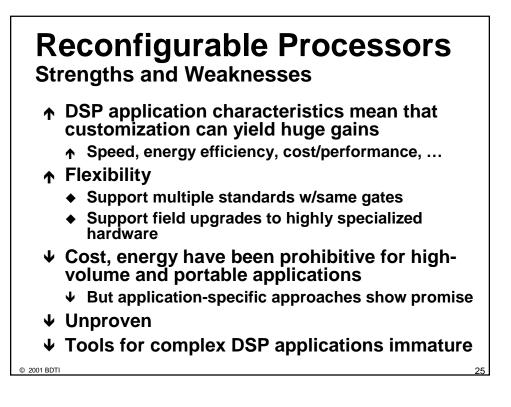












Conclusions Options are expanding for DSP system designers New approaches New products New providers There is no single "best" choice Heterogeneous SoCs increasingly common A key challenge: Balancing architecture-specificity with generality, flexibility Tools, methods, verification are key Behavior, system, software, and hardware

© 2001 BDT

