

The Programmable World 2003

New Era of System Design

Wim Roelandts
President and CEO
Xilinx, Inc.



FPGAs – A Technology That Will Change People,s Lives

Top Technologies That Will Change Our Lives –
Field programmable “chameleon chips” ranked #1.
Ahead of cloning!

BusinessWeek 50: Masters of Innovation, April 7, 2001



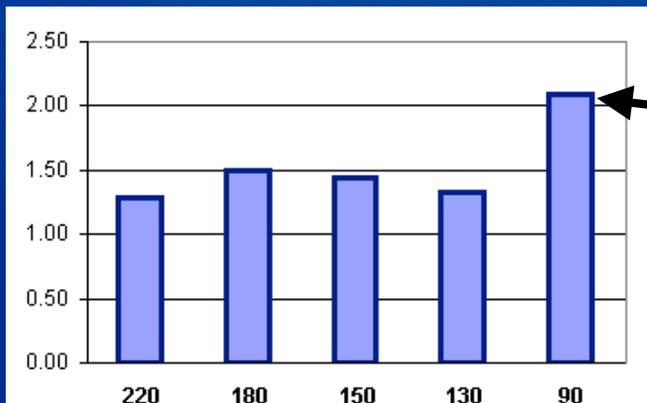
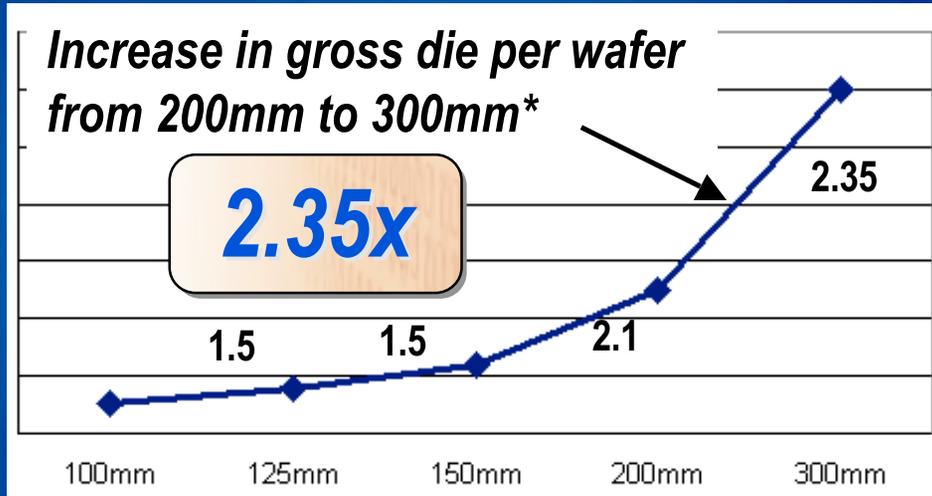
#1 Chameleon chips

- #2 Custom Kids
- #3 Protein maps
- #4 Fractal models
- #5 Off-planet production
- #6 Nanotechnology
- #7 Pseudo senses
- #8 HIV Antivirals
- #9 Optical computing
- #10 Embedded Intelligence

“One set of chips, little bigger than a credit card, could do almost anything...The market for such versatile marvels would be huge, and would translate into lower costs for users.”

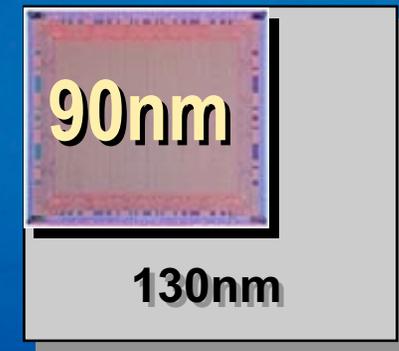


Move to 300mm and 90nm



Increase in gross die from 130nm to 90nm:**

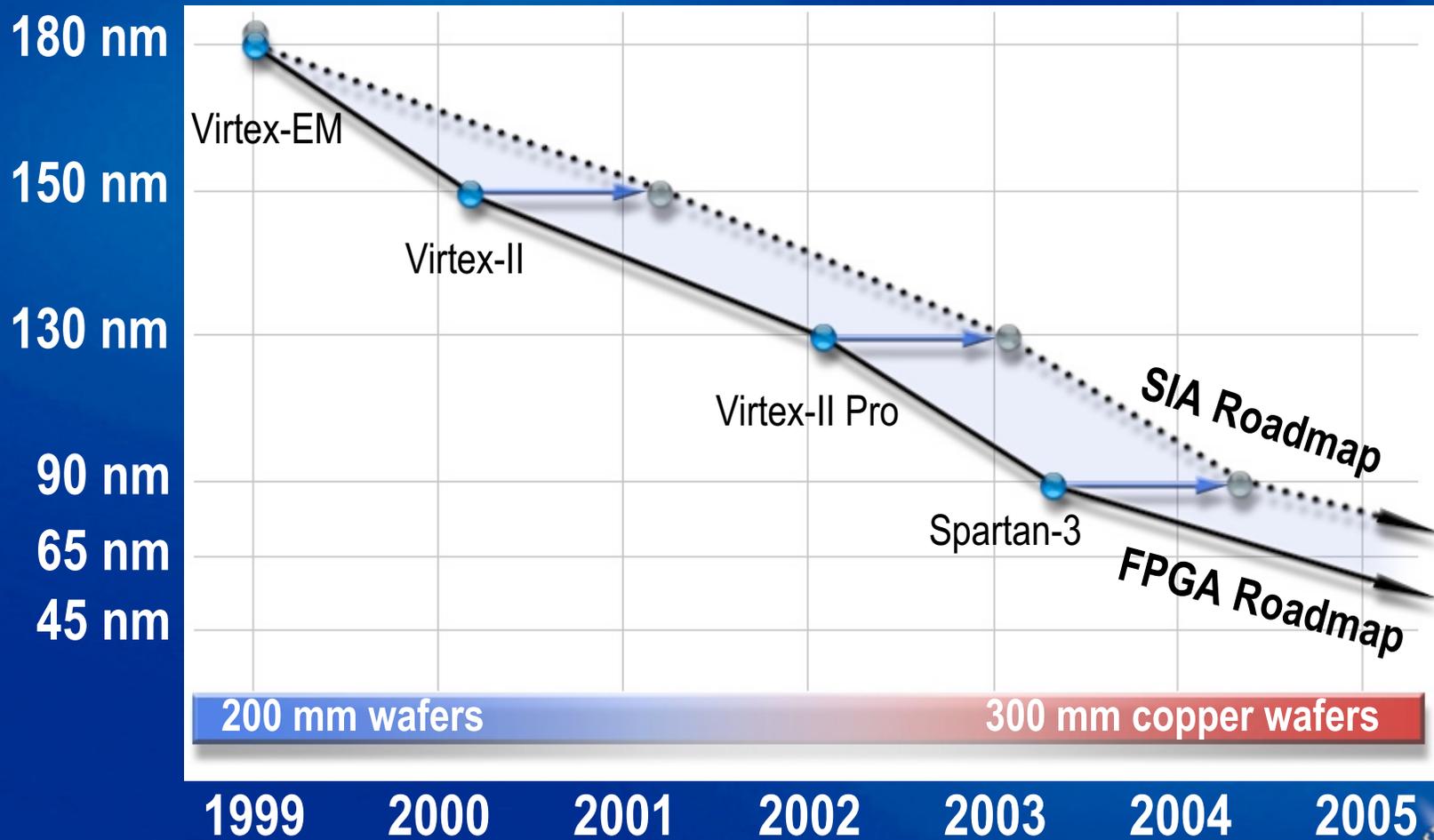
2.09x



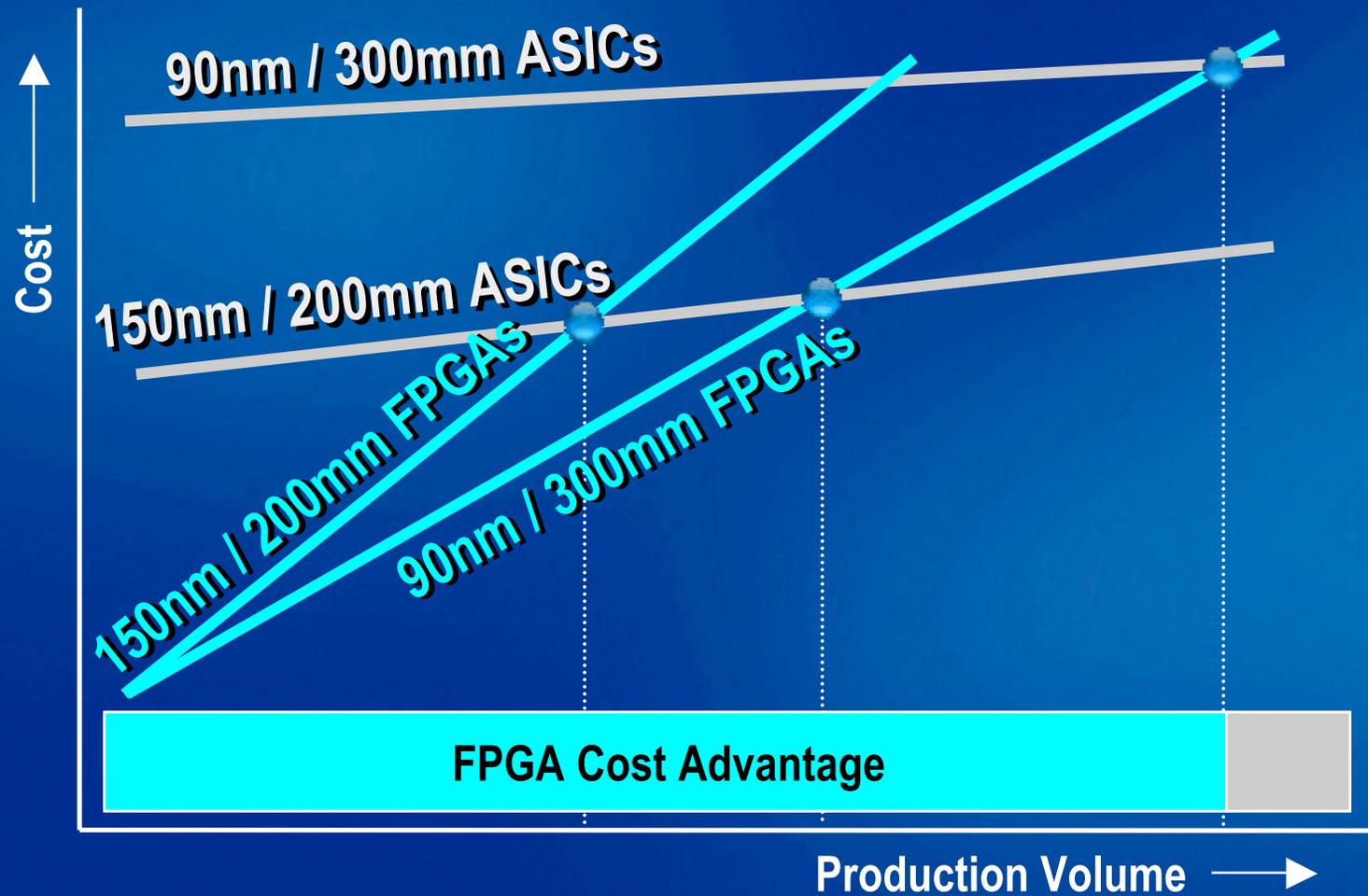
* ICE report published by SmithsonianChips.si.edu

** Historically a 50% decrease in die size per node

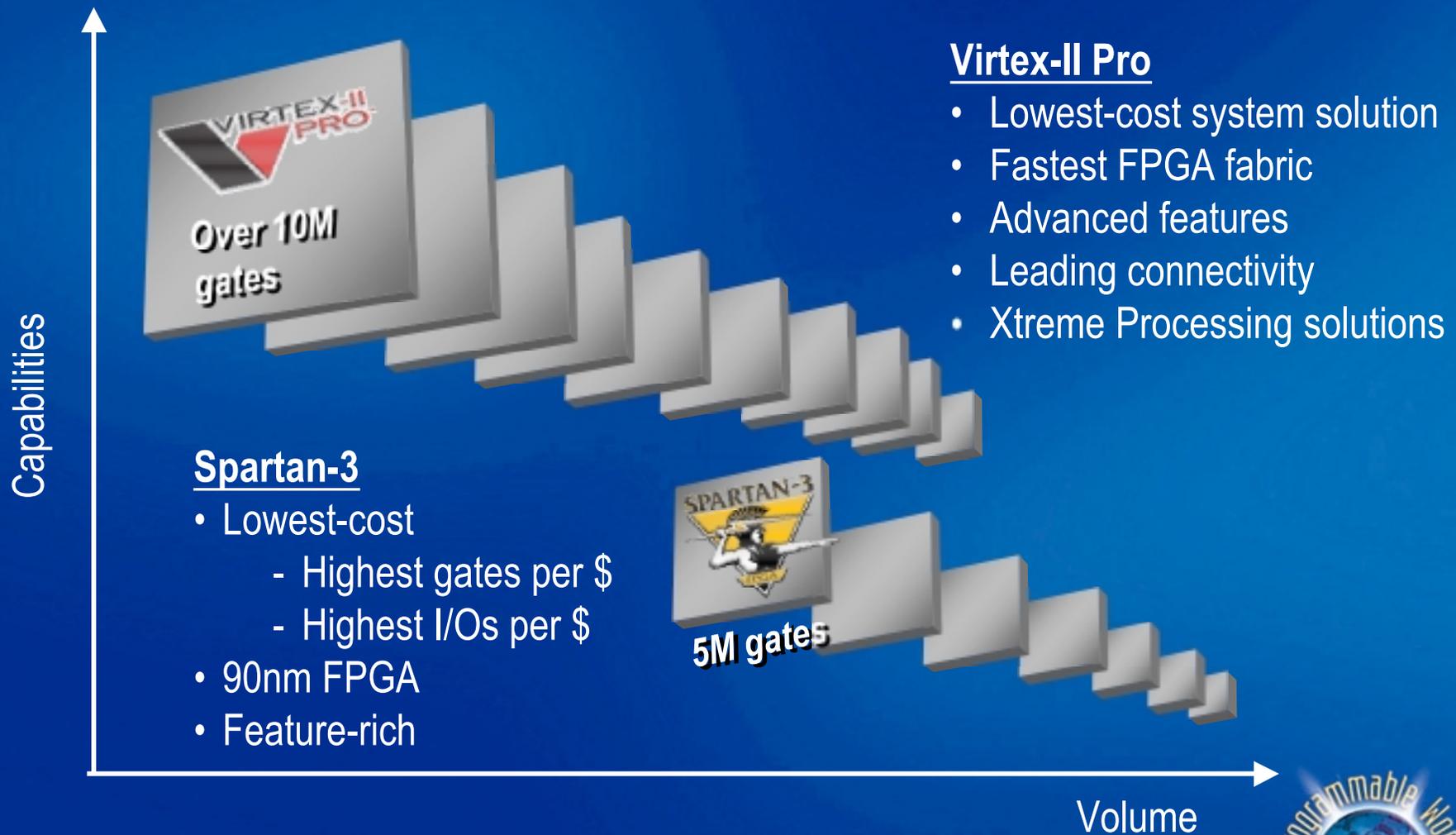
FPGAs in The Forefront of The Technology Curve



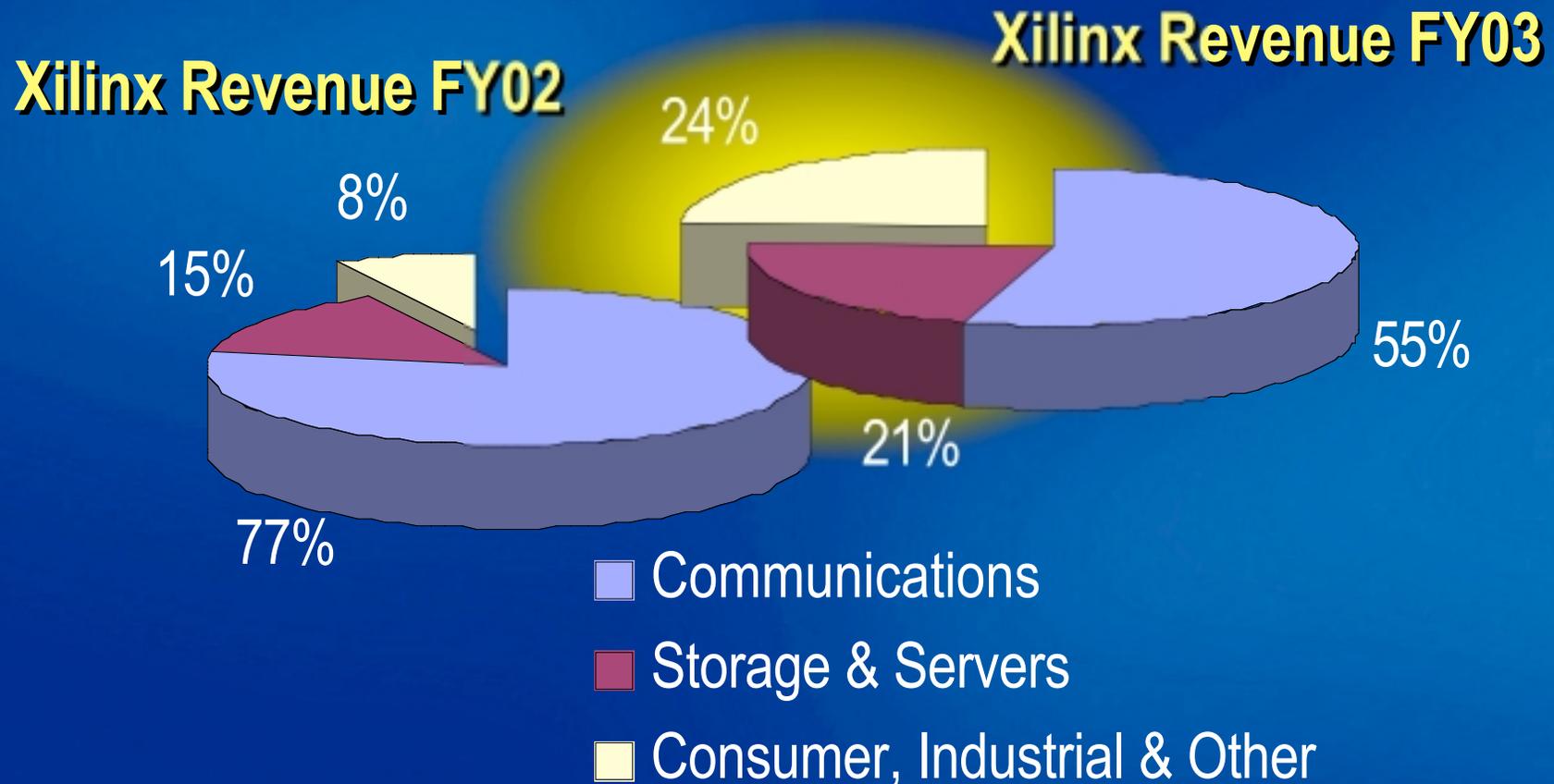
FPGA/ASIC Crossover Changes



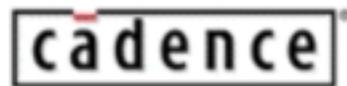
Two Types of FPGAs Emerge



FPGAs Enter New Applications



The Ecosystem for System Design



Altrabit Networks, AMIRIX, Birger Engineering, CES Design Services, Daihen, infochips, Future Design Automation, GDA Technologies, Infineon Technologies, Intrinsicity, Novtech Inc., Spectrum Signal Processing, Summit Design, Sundance





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2005
The Forum For The New Era Of Systems Design

Thank You

