



# Will You Have to Have It?

## What You Need to Know About Future Tech and Your Business

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# Agenda

- The Accelerating Rate of Change
- How Far We've Come
- Near Term: What's On Tap Now
- Long Term: What the End of the Decade Looks Like
- How Can We Cope?
- What You Need to Do Now

# The Accelerating Rate of Change

- “When people think of a future period, they intuitively assume that the **current rate** of progress will continue for future periods. However, careful consideration of the pace of technology shows that the rate of progress is **not constant**, but it is human nature to adapt to the changing pace, so the intuitive view is that the pace will continue at the current rate.”
  - *Inventor and Futurist Raymond Kurzweil*

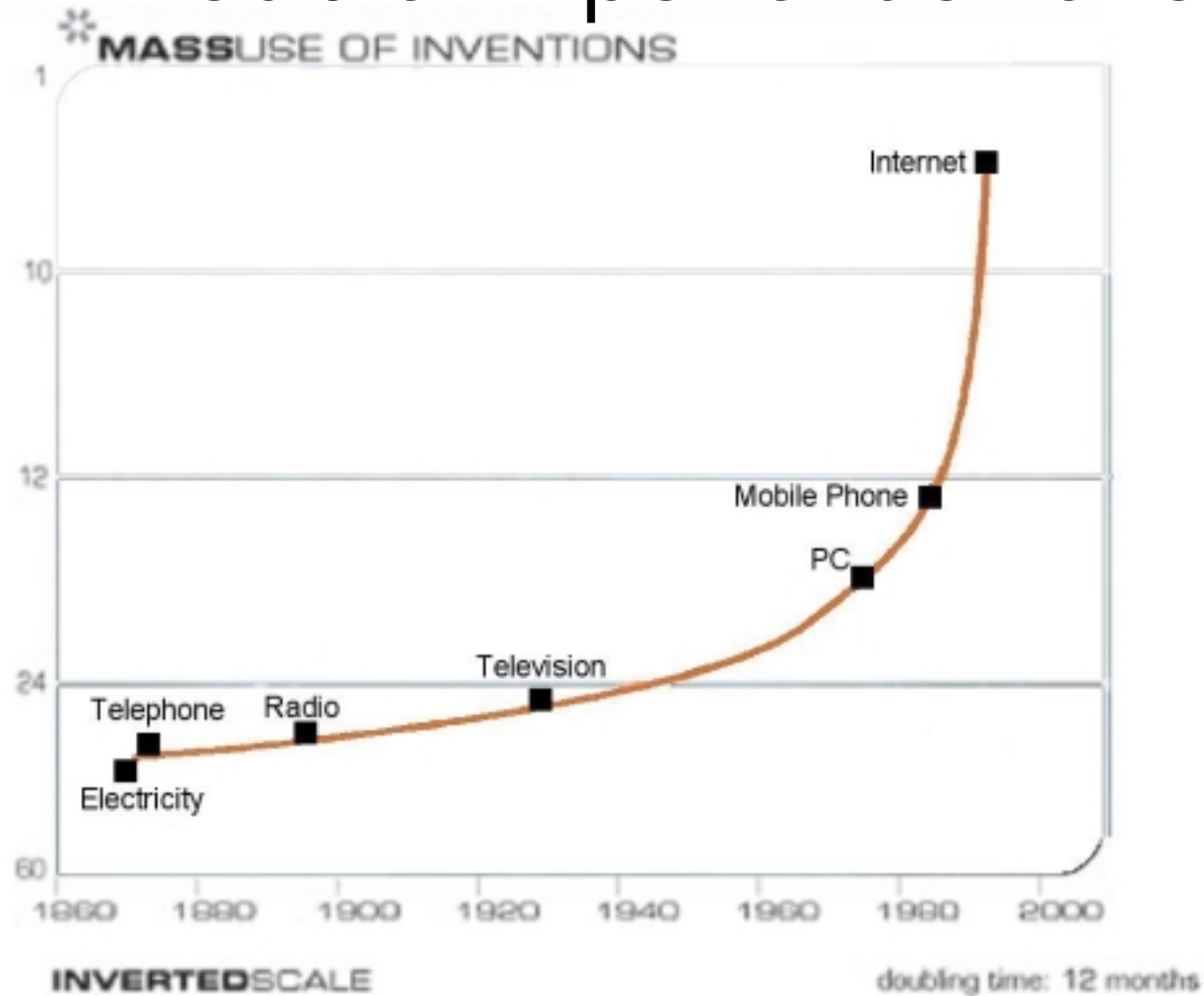


# The Rate of Change in the Rate of Change

- Kurzweil plotted the rate of change on an exponential scale – and got an exponential curve!



# Double Exponential Change



“Indeed, we find not just simple exponential growth, but ‘double’ exponential growth, meaning that the rate of exponential growth is itself growing exponentially.”

# Progress, Anyone?

- Overall rate of technical progress is currently doubling every decade
- The rate of acceleration is itself growing exponentially
- Technological progress in the twenty-first century will be equivalent to what would require (in the linear view) 200 centuries
- The 20<sup>th</sup> century saw only about 25 years of progress

# Hardware to Wetware

- “The upcoming primary paradigm shift will be from biological thinking to a hybrid combining biological and nonbiological thinking. This hybrid will include ‘biologically inspired’ processes resulting from the reverse engineering of biological brains.”

# "Wait A Minute!" You Say

- That's pretty far out stuff
- Even if true, it's hard to see how such changes will affect me
- Besides, if the 21<sup>st</sup> century will see 20,000 years of progress, that means this decade will see 100 years, and I don't see things moving that fast



# How Far We've Come

- Let's take a look at how things have changed in just the last 7 years
- In 1995 how many of you had :
  - A beeper?
  - A cell phone?
  - An Internet connection?
  - An Internet email account?
  - A company Web page?
  - Electronic commerce (EDI, etc.)?





# For More of This Presentation

- To receive more of this presentation, or to engage Mike Ellsworth to present at your event, please contact us at:

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Thank you

# What is Stratvantage?

- Stratvantage Consulting helps executives make better decisions about emerging technologies like
  - Wireless
  - eBusiness
  - Security and Privacy
- If you are struggling with fast moving technologies, don't make a costly, uninformed decision. Stratvantage Consulting can help you gain a sustainable competitive advantage using new technologies.

# Thank You!

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