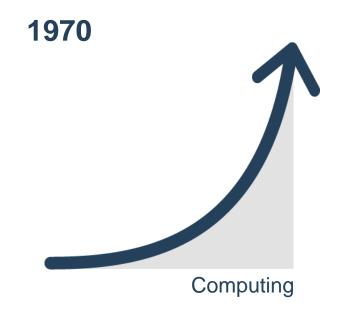
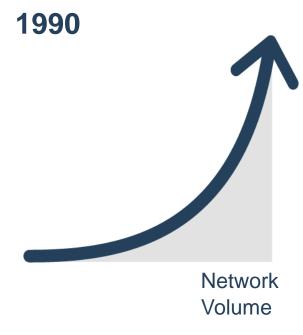


Exponential growth accelerates breakthroughs in Tech







Moore's law

The observation that the number of transistors in dense IC doubles about every two years

Metcalfe's law

The effect of a network is proportional to the square of the number of connected users

"Watson's" law

Take data, add AI to it and get exponential learning; ability to outlearn everybody else



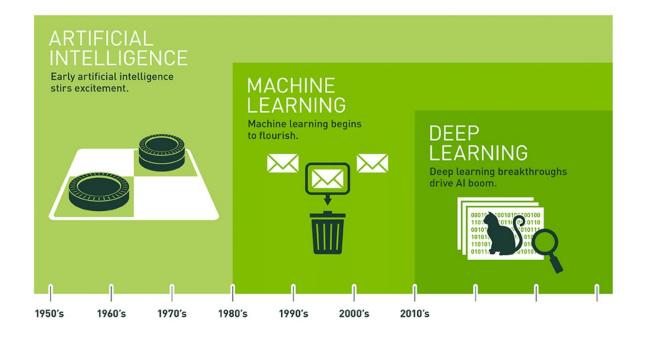
Definitions

Artificial Intelligence

 Artificial intelligence leverages computers and machines to mimic the problem-solving and decisionmaking capabilities of the human mind

Deep Neural Network

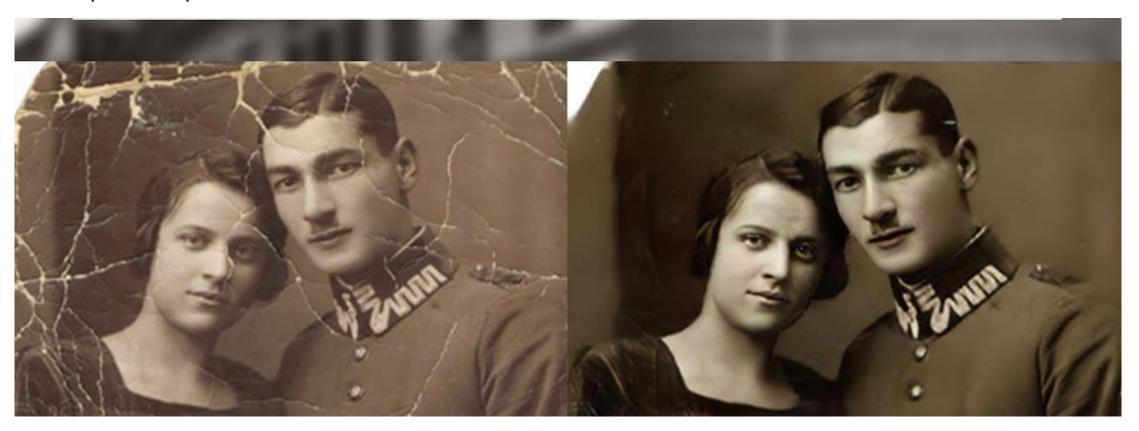
 a technology built to simulate the activity of the human brain – specifically, pattern recognition and the passage of input through various layers of simulated neural connections





Al processing can work wonders

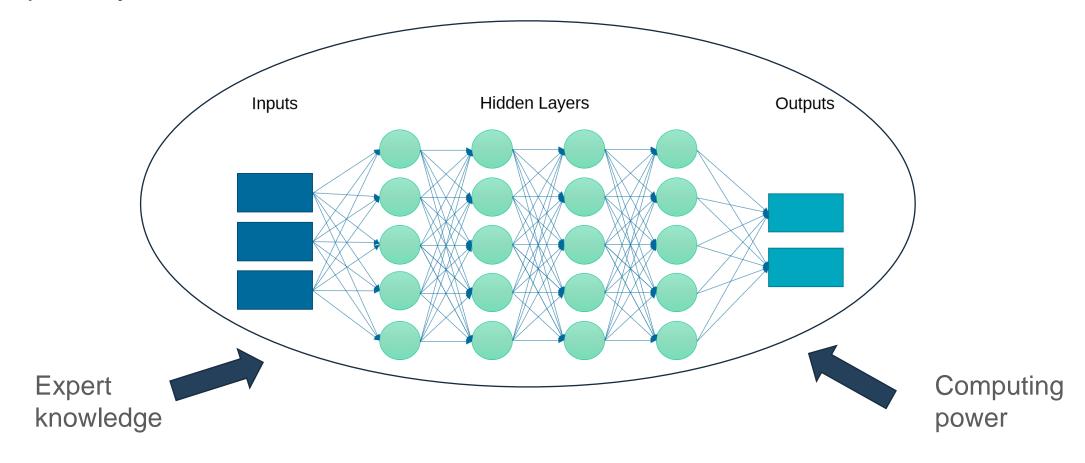
Example old photo restored/enhanced with Al





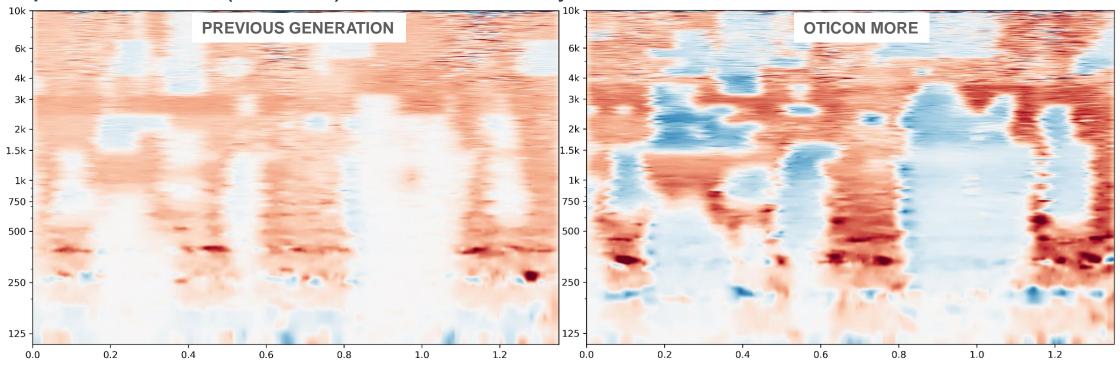
Deep neural network

Inspired by the brain



DNN Neural Sound Processing

Spoken words (Danish): "Venstre – Højre" in babble noise



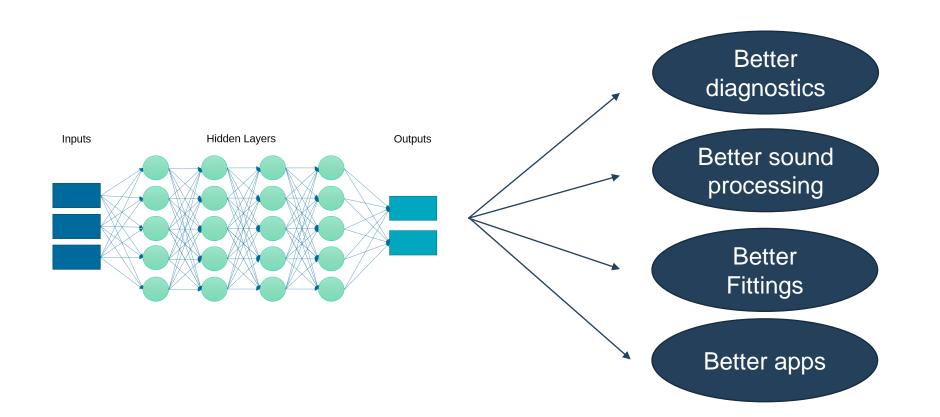


More detailed sound map

- Larger contrast between clear sound and the background
- Blue more information provided by the sound enhancer



DNN will ignite new innovations



And more.....

