



# INNOVATION IN MOTION

## VIDEO TRANSCRIPT

### Innovation in Motion

1773 Silver swan automaton built  
A fine example of automation is built for British Royalty and public exhibitions  
1780 Steam power revolution  
Semi automatic factories, increased workforce leading to over populated cities, new era for choice and variety, demand for mass produced goods increases  
1830's Charles Babbage's analytical engine  
Babbage is considered as the father of modern computing  
1815-1852 Ada Lovelace  
Introducing many computer concepts, Ada is considered the first computer programmer  
1877 Bell & Watson offer first telephone to public  
1879 Thomas Edison invents the lightbulb  
Round the clock work starts, nearly every part of modern life depends on electricity  
"It's obvious that we don't know one millionth of one percent about anything" - Thomas Edison  
1903 First flight  
17th December 1903, the Wright brothers make the first powered flight, lasting for 12 seconds in North Carolina  
1920 35mm Kodak film produced  
1928 antibiotics discovered  
1939 World War II  
56 million casualties military and civilian  
Women take over traditionally male jobs  
1943 Enigma machine created  
1950 Alan Turing invents the Turing test  
1956 The birth of AI  
Technology becomes more complex, impacting everyday life and transforming the world of work  
1969 ARPANET the foundation of the internet  
1981 PC created

1989 Tim Berners-Lee proposes the world wide web  
1997 Deep Blue  
The first computer chess-playing system to beat a human reigning world champion  
2007 Rise of the smartphone  
2009 Bitcoin becomes the first decentralised cryptocurrency  
2015 First 3D printed prosthetic fitted for a boy in Sudan  
2016 AI screens for cancer  
2017 AI generates unconventional art in California  
Machine learning  
2017 Facebook shuts down bartering AI because it starts its own language  
Concerns over the dangers of AI  
"There has never been a time of greater promise or greater peril" - Professor Klaus Schwab, WEF  
What next?  
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