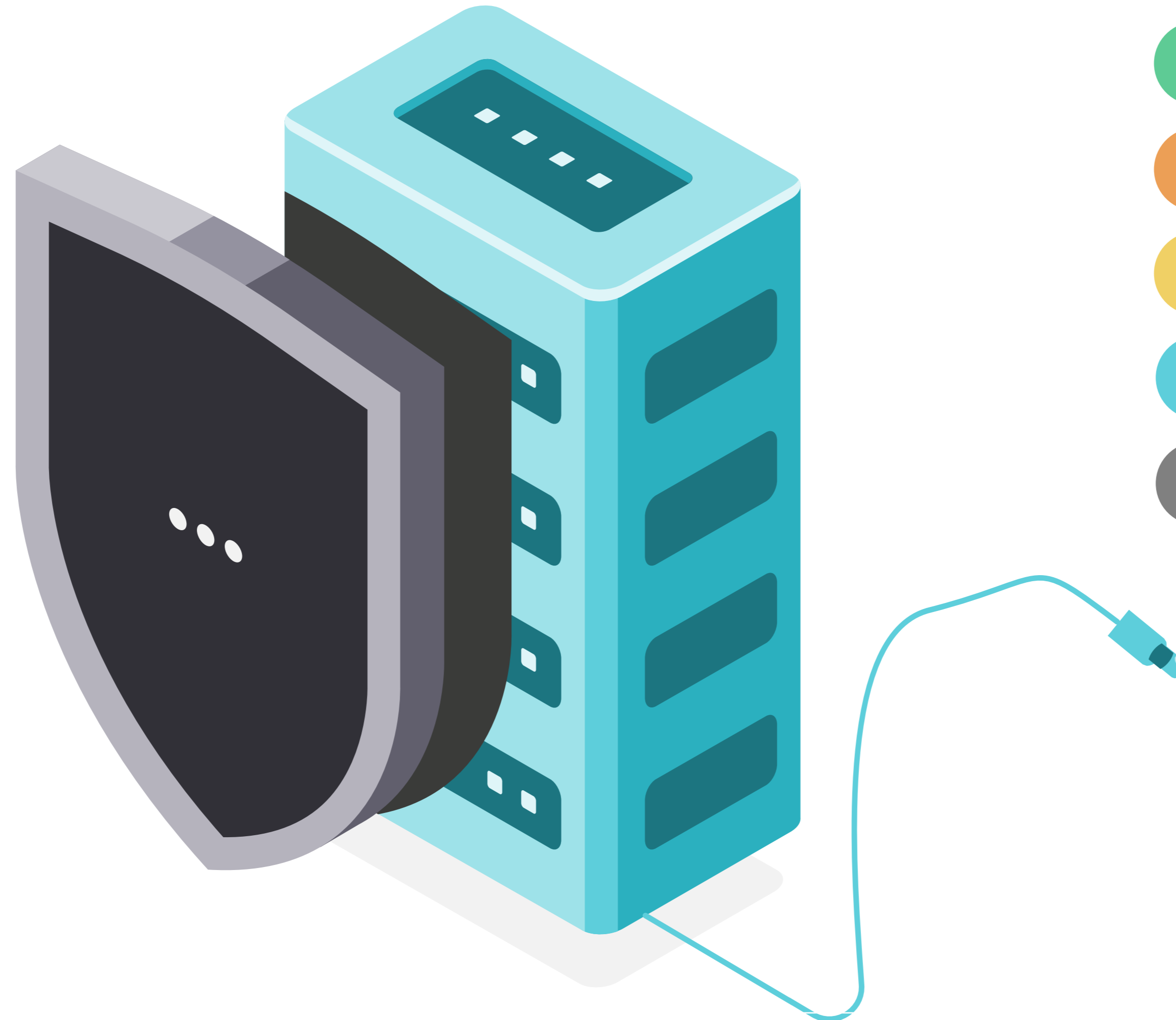







# THE PROS AND CONS OF THE NEXT TECHNOLOGICAL REVOLUTION



-  QUATUM COMPUTING
-  CRYPTOCURRENCIES
-  INFORMATION PROCESSING
-  EDUCATION
-  EFFICIENCIES

## EFFICIENCY IMPROVEMENT AND EFFECT ON GDP (OF EACH TECHNOLOGICAL REVOLUTION)

Technological revolutions	Start – End	Key innovations	Impact on GDP growth	Cumulative impact on GDP growth
The 1 <sup>st</sup>	1770 – 1820	Textile industry	1.0x	1.0x
The 2 <sup>nd</sup>	1821 – 1870	Railways	3.0x	4.0x
The 3 <sup>rd</sup>	1871 – 1920	Electricity and chemistry	4.5x	8.5x
The 4 <sup>th</sup>	1921 – 1970	Automotive	5.2x	13.7 x
The 5 <sup>th</sup>	1971 – 2020	Computations and the Internet	4.8x	18.5x
The 6 <sup>th</sup>	2020 onwards	Bioengineering, A.I. and sustainable energy	Estimate: Over 5x	Estimate: Over 24x