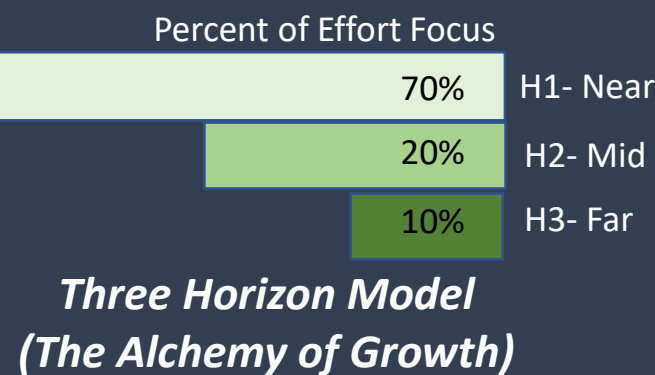




Table of Future Technologies

Horizon 1	3p ¹ 3D Metal Printing (2019)	4m ² 4G Man Mobile Station on The Moon (Lunar XPRIZE)	Gi ³ Ghost Imaging	Vc ⁴ Very High Speed Video Compression (2019)	Jp ⁵ Jet Pack Racing (2019)	Tr ⁶ Tricorder Based Medical Diagnosing (XPRIZE-2019)	5s ⁷ 5G LEO SATCOM Commercial Service (US-2020)	Ei ⁸ Exascale Computing (2020)	Ex ⁹ Exoskeletons (2019)	Ru ¹⁰ Rapid Rocket Booster Reuse (SpaceX-2019)	Xe ¹¹ Programmable Life (Xenobots)
	Lv ¹² Low Latency Global Video (2024)	Ea ¹³ 1st Commercial Electric Aircraft (2019)	Hy ¹⁴ Hyperloop (2023)	Sa ¹⁵ Full Self-Driving Cars (Level 5)	Mm ¹⁶ Man on the Moon (2024)	Pe ¹⁷ 3D Printed Electronics	2c ¹⁸ 2NM CPUs (2020)	5c ¹⁹ 5G Cellular- Full Capability (2025)	Wa ²⁰ Water From Air	Pa ²¹ Printed Armor	Ca ²² Printed Ceramic Armor
Horizon 2	Bi ²³ Broadband Invisibility Cloak	Bf ²⁴ Biofuel	Ho ²⁵ Holodeck	Ie ²⁶ Instant Economy of Things	Mi ²⁷ Manned Mission to Mars (SpaceX-2027)	Nr ²⁸ Small Nuclear Reactors	Ph ²⁹ Multi Material 3D Print Head	Sh ³⁰ Self Healing Materials	Pa ³¹ On Chip Particle Accelerator	St ³² Commercial Space Tourism	5g ³³ Global 5G LEO SATCOM Coverage
	Ec ³⁴ Edge Computing	Sr ⁶⁶ ³⁵ 1-6 hour Global Deliver of Goods Via Space (2023)	Sc ³⁶ Self-Flying Cars	Bc ³⁷ Blockchain	Ai ³⁸ AI Does Everything Better Than People						
Horizon 3	3s ³⁹ 3D Printed Skin	Bs ⁴⁰ Batsuit for Soldiers	Cc ⁴¹ Carbon Computing	Co ⁴² CO2 Harvesting (DAC)	Oc ⁴³ Optical Computing	Qr ⁴⁴ Quantum Radar	Rf ⁴⁵ Robotic Touch and Feel at a Distance (XPRIZE)	Ss ⁴⁶ Supersonic/ Hypersonic Passenger Plane	Ww ⁴⁷ Wetware (Direct PC to Brain Interface)	Te ⁴⁸ Telepathy	3t ⁴⁹ 3D Printed Space Station
	3m ⁵⁰ 3d Printed Tanks	6g ⁵¹ 6G Cellular (2030)	Sp ⁵² Beaming Solar Power From Space	La ⁵³ Full Long Range Augmented Reality	Mh ⁵⁴ Metallic Hydrogen	Ma ⁵⁵ Metamorphic Manufacturing	Nf ⁵⁶ Nano Fabrication	Qi ⁵⁷ Quantum Internet	Sw ⁵⁸ Web 3.0- The Spatial Web (2030)	Um ⁵⁹ Universal Computer Memory	Yb ⁶⁰ Y2K38 Bug
Wild Cards	Mp ⁶¹ 1M People on Mars (2050)	Db ⁶² Diamond Batteries	Ls ⁶³ Data at 30X the Speed of Light	Dc ⁶⁴ DNA Computing	Er ⁶⁵ Extended Reality	Ff ⁶⁶ Force Fields	Qc ⁶⁷ Room Temperature Quantum Computing	Si ⁶⁸ The Singularity	Se ⁶⁹ Space Elevator	Tt ⁷⁰ Time Travel	Wd ⁷¹ Warp Drive
	Zp ⁷² Zero Point Energy	Uf ⁷³ Travel Via UFO Like Vehicles	Sd ⁷⁴ Technology in Stealth Development	En ⁷⁵ Entrepreneurs and Intreprenur' s	Qt ⁷⁶ We Can't Talk About This						



H1- Sustaining technology that improve existing core capabilities in 0 to 5 years (Art of Today)

H2- Emerging technology that are new business lines or great improvements to core capabilities in 5 to 10 years (AKA: Near future- Art of Tomorrow)

H3- Applied & Basic Research enabling a capability 10 or more years in the future (AKA: "Future Seed Corn" – Far/ Distant Future- Art of the Possible)

Wildcards- Highly improbable, but worthy of paying attention to

Key

How to read entries

Potential 10X technology based on study, or to create major change in markets behavior

3 Horizon Innovation Model- Baghai, Mehrdad & Coley, Stephen & White, David, The Alchemy of Growth: Practical Insights for Building the Enduring Enterprise, McKinsey & Co., Basic Books, 1999

Table generated by AFC CCDC ARL/CISD, Adelphi, MD based on open source reporting.