Neil Sahota (萨冠军) 12/07/2020

@neil_sahota

https://www.neilsahota.com

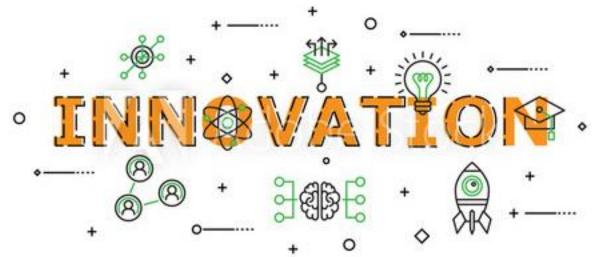
Convergence: Al is the Powerhouse of Digital Transformation





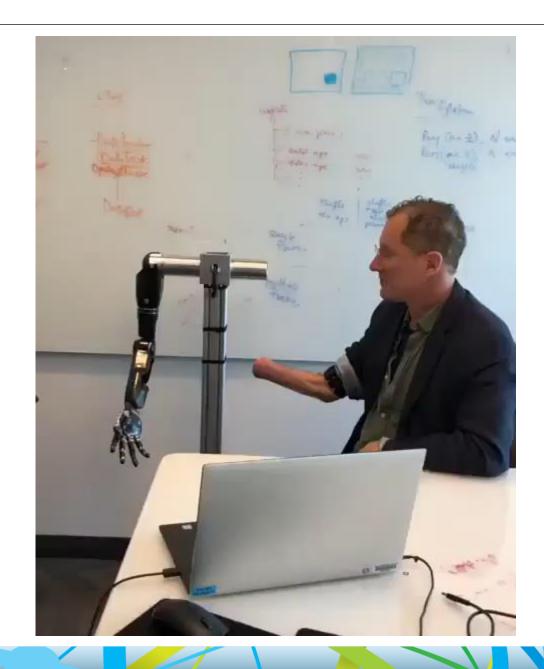
Unlocks 20-30% of value

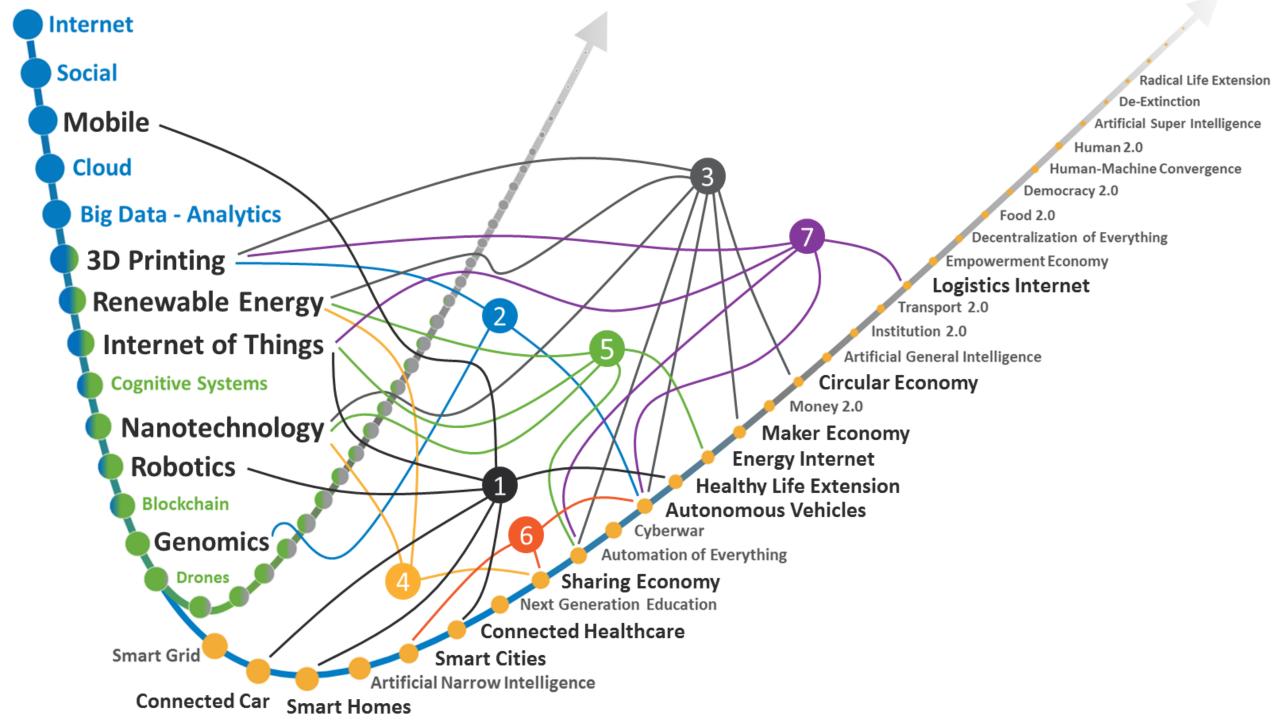
Focuses on making the *process/system* better by making it faster, cheaper, and/or with less errors.



Can unlock full potential

Focuses on *changing the process/system* by finding a new way to perform the work.





Machines Think Differently

GPS (global positioning system)

combined with readings from tachometers, altimeters and gyroscopes to provide the most accurate positioning

Cost: \$80-\$6,000

Ultrasonic sensors to

measure the position of objects very close to the vehicle

Cost: \$15-\$20

Odometry sensors to

complement and improve GPS information

Cost: \$80-\$120

Central computer analyzes all sensor input, applies rules of the road and operates the steering, accelerator and brakes

Cost: ~50-200% of sensor costs

Lidar (light detection and ranging)

monitor the vehicle's surroundings (road, vehicles, pedestrians, etc.)

Cost: \$90-8,000

Video cameras monitor the vehicle's surroundings (road, vehicles, pedestrians, etc.) and read traffic lights

Cost (Mono): \$125-\$150 Cost (Stereo): \$150-\$200

Radar sensors monitor the vehicle's surroundings (road, vehicles, pedestrians, etc.)

Cost (Long Range): \$125-\$150 Cost (Short Range): \$50-\$100







