Seminar Nasional DPPM UII

Peningkatan Produktivitas dan Efektivitas Berbasis Teknologi Informasi Menuju Era Post Covid-19

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Profile





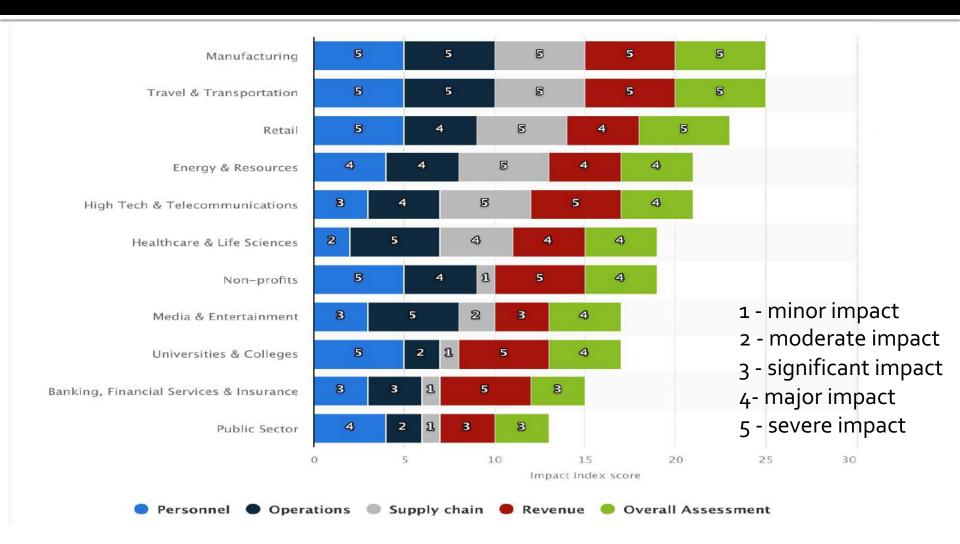


Yudi Prayudi

Director of Center for Digital Forensics Studies UII Yogyakarta

- Dr From UGM With Dissertation about Digital Evidence Cabinets
- Senior Lecture at Department of Informatics UII Yogyakarta
- Head of Digital Forensic Postgraduate Program at UII
 Yogyakarta
- CHFI, Encase, Oxygen, Belkasoft
- Hacker In The Box (2012), Hacker Halted (2012)
- Author more than 30 Paper for International Journal and Conference
- Expert witnesses in various legal cases
- Speakers at Many National Conferences about Security and Digital Forensics

Dampak Pada Berbagai Sektor



https://www.statista.com/statistics/1106302/coronavirus-impact-index-by-industry-2020/

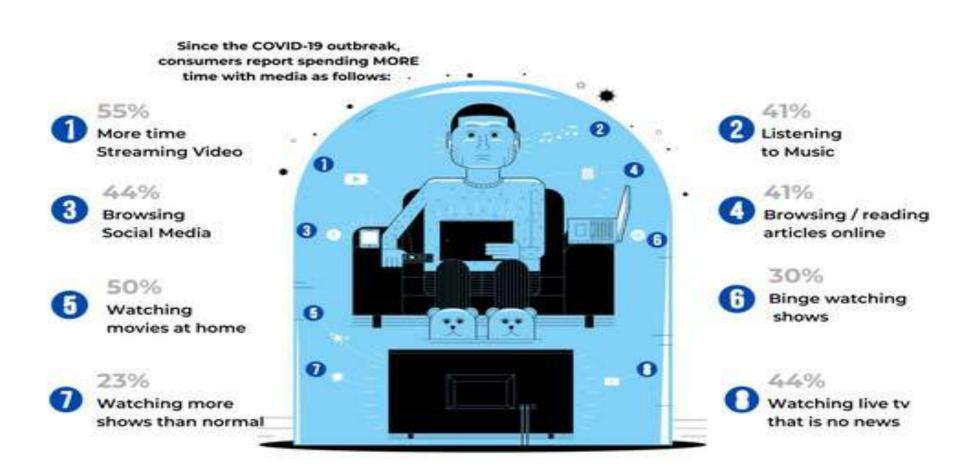
Dampak Covid 19 Terhadap IT

- Around 35-38% of tech organizations are likely to improve or enhance their IT operations and infrastructure due to the COVID-19 outbreak.
- The leading companies of the sectors have reported an average of 5-10% increase in IT expenditures only because of the COVID-19 pandemic.
- The Cloud Software and Digital Platforms have comparatively witnessed the fastest business expansion in 2020 when everyone was working from home.
- Zoom alone experienced year-on-year growth of around 340-345% in the year 2020





IT Spending Time



IT Used for Covid 19



Remote Workers - WfH



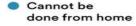


Source: Buffer - State of Remote Report

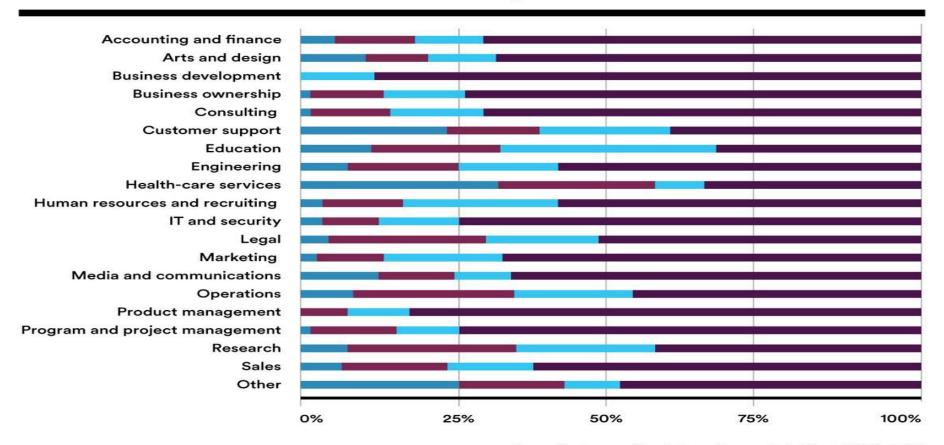


Suitability Job

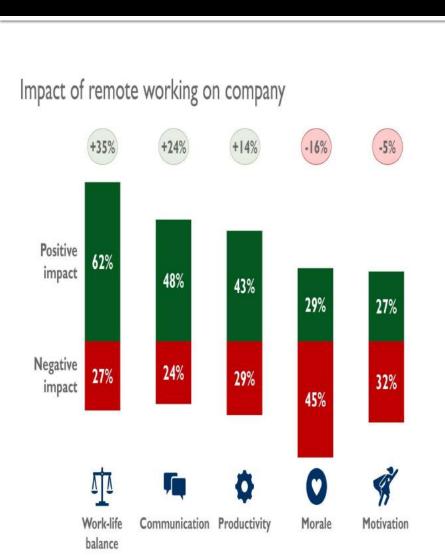
Suitability of job for remote work by industry

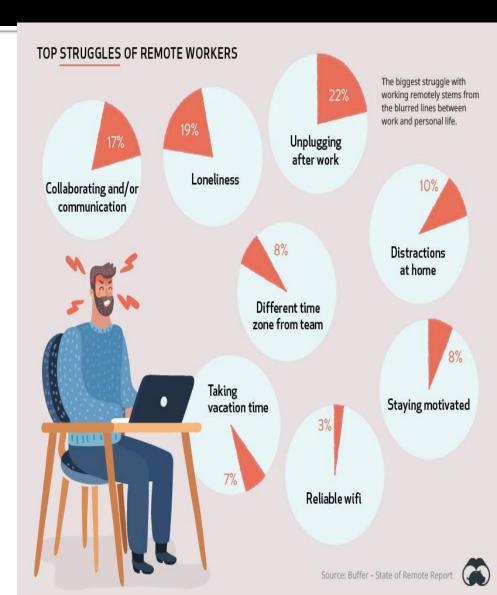


- Can only do part of the job from home
- Can work from home but with some or a lot of difficulty
- Can work from home with little or no difficulty



Tantangan Remote Workers





The Impact of Covid-19 on Technology in General

This slide covers information about the impact of coronavirus on technology sector. Key impacts include projects are paused, declining demand for new projects, digital divide widens, growth in various technologies



Ongoing Projects are Paused

Due to general decline in technology budgets (around 4% drop) as many projects are put on hold or slowed down

There are two exceptions of projects that do not get paused:

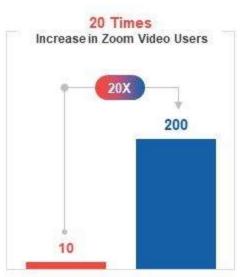
- Highly strategic initiatives
- Projects involving technologies that are directly linked to COVID-19



Some Enterprise Technologies Take Off

Following technologies has positive impact

- Work-from-home infrastructure (e.g., laptops, screens, connectivity, etc.)
- Collaboration tools (e.g., video conferencing, team chat, project planning, etc.)
- Virtualization infrastructure (e.g., remote desktops)
- Other Technologies i.e. VPN networking, Mobile devices, Security, Desktop support





The Digital Divide Widens

IoT Analytics has seen two extreme reactions of different companies during the current crisis

- The firms laid off their entire team as costcutting measures
- Firm cut costs elsewhere and ensured their digital initiatives would continue uninterrupted



Declining Demand for New Projects/Devices/ Services

The sales pipelines for firms around the world are drying up as companies become more cautious about procuring new services, starting new projects or buying loT hardware

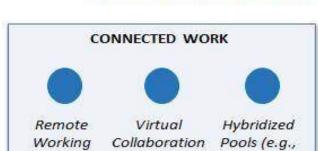
IOT analytics companies highlighted following issued:

- Drop in new projects advertisements
- Decline in website traffic and conversion rate
- Sales Decline

Dampak Post Covid

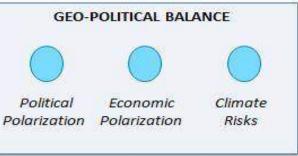
Microworkers)

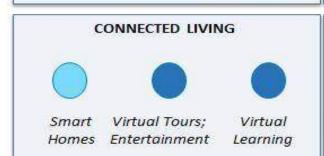
POST-COVID GROWTH OPPORTUNITY MATRIX, GLOBAL, 2020

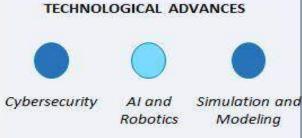


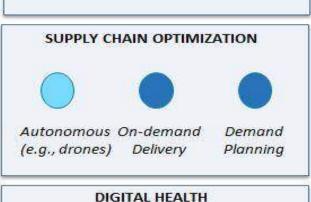






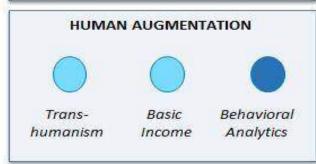


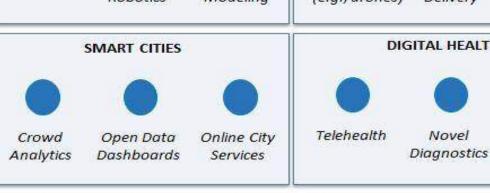


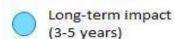


Robotic

Care







Post Covid

Gartner. 9 Future of Work Trends Post-COVID-19

- More employees working remotely
- 2 Increased use of employee data
- Greater role of the employer as a social safety net
- Wider use of contingent workers
- Critical skills are no longer synonymous with roles

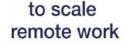
- Some find work more humanizing in the crisis; others find it dehumanizing
- 7 Crisis response distinguishes top-tier employer brands
- Organizations prioritize resilience as much as efficiency
- Crisis adds to organizational complexity, straining design, culture and value proposition

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COVID-19 is pushing companies







to accelerate digitalization



to accelerate automation







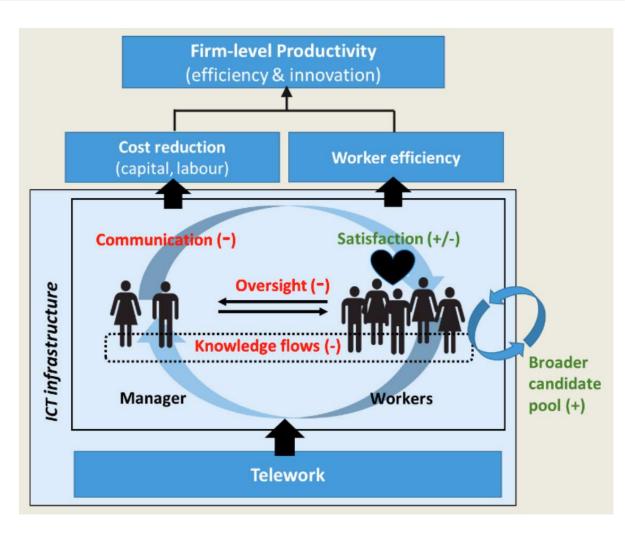
Source: Future of Jobs Report 2020, World Economic Forum.

Telework

Working from home or teleworking during the pandemic has ushered in a new era of productivity, inclusiveness and connectedness.

32% of organizations are replacing full-time employees with contingent workers as a cost-saving measure "

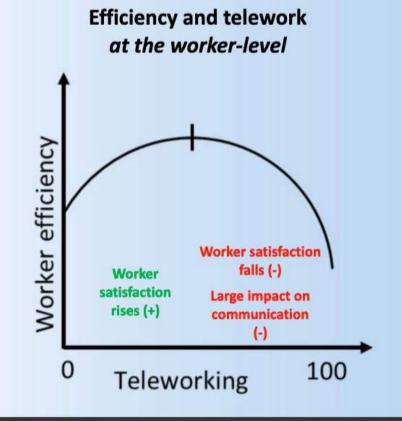




Telework and Productivity

How does telework affect productivity? Main insights from the framework

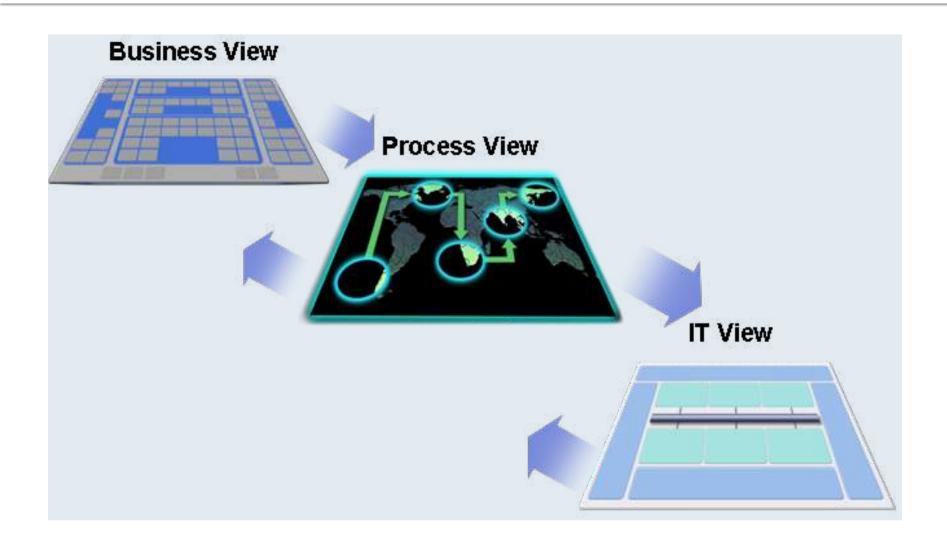
- 1. Overall impact is a priori ambiguous
- 2. Worker satisfaction is key
- Worker-level efficiency depends on telework intensity
- Firm-level efficiency additionally depends on coordination
- In the long-term, impact on knowledge sharing is crucial



New Normal

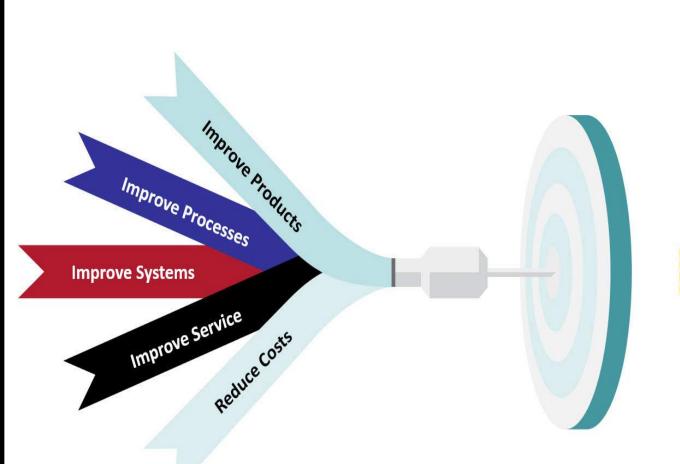


Re-Design IT



Post Covid as A Trigger for Improvement

Continuous Improvement

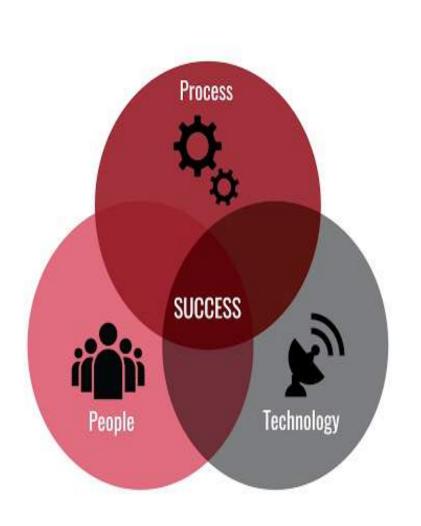




Increase Customer Satisfaction

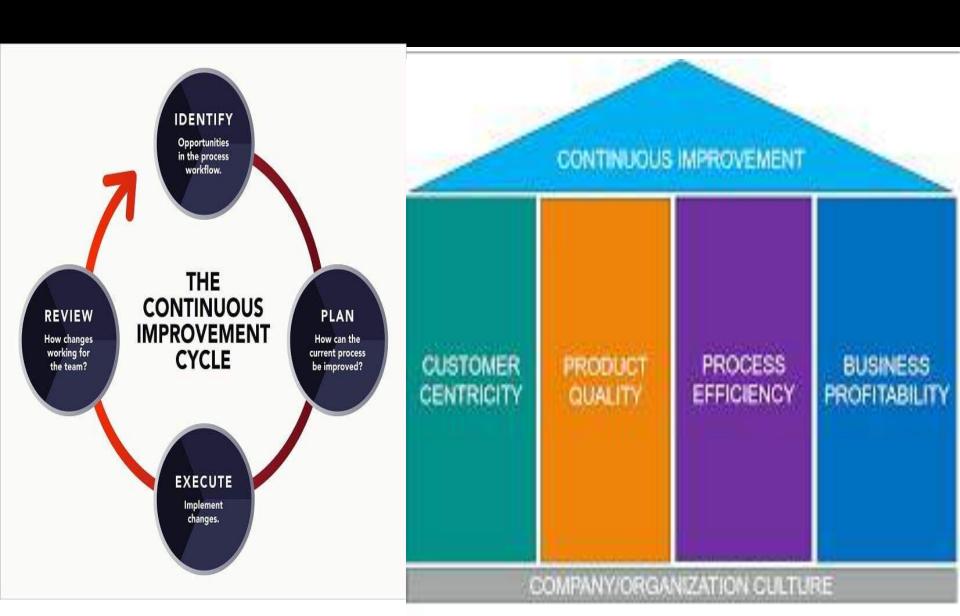
The ultimate goal of continuous improvement is increasing customer satisfaction

People-Process-Technology



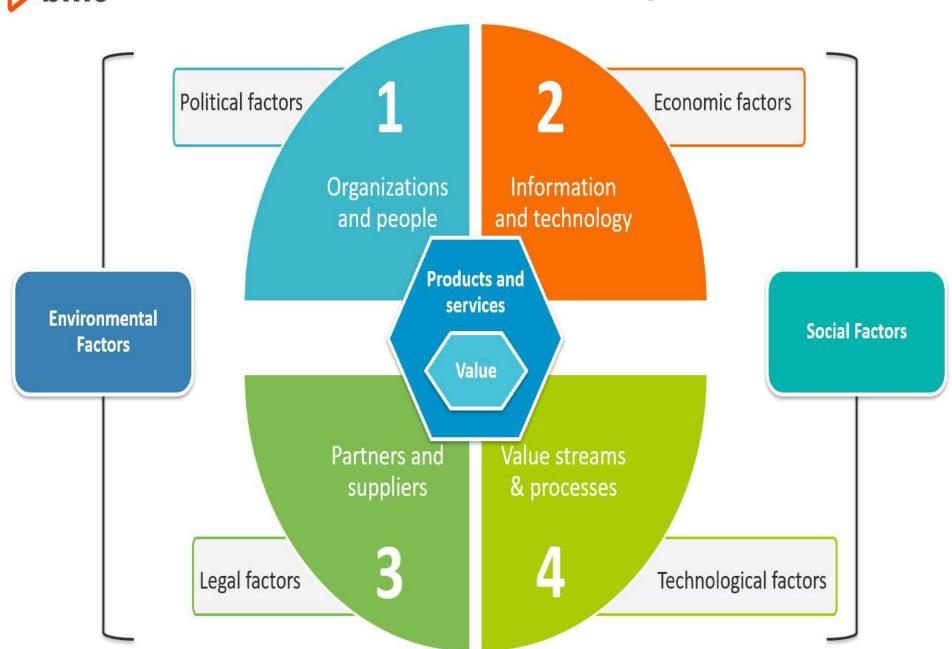


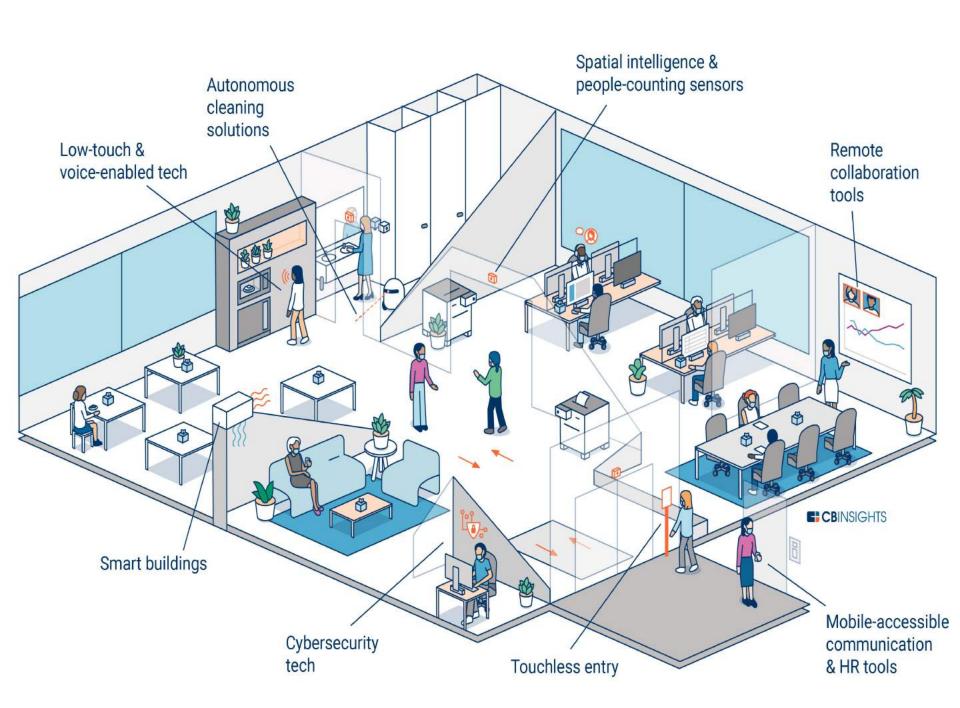
Pendekatan



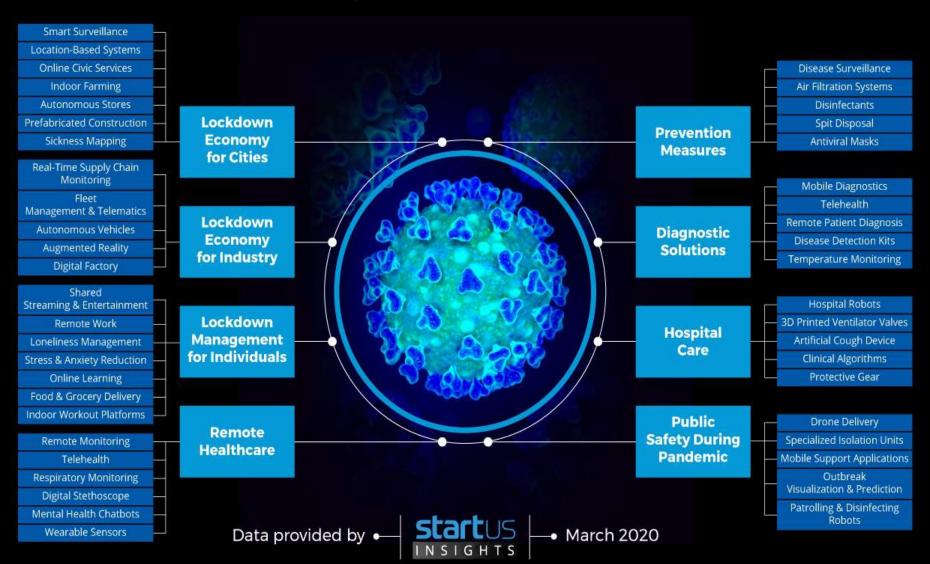


Four Dimensions of Service Management



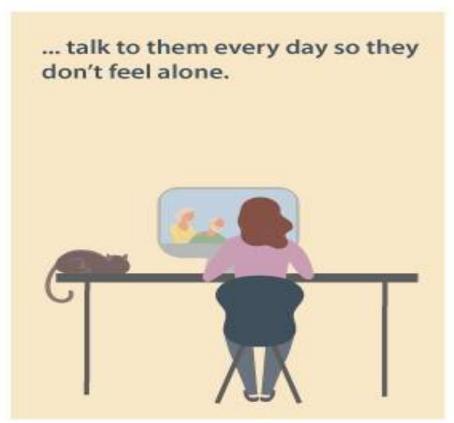


8 Ways Emerging Technologies Tackle The Coronavirus Pandemic



Keeping each other safe and connected is everyone's responsibility





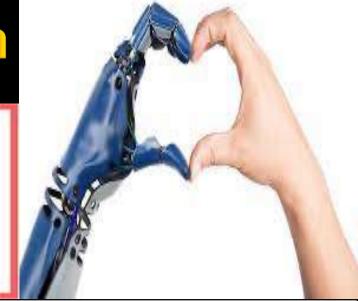
Physical distancing is not social isolation



High Tech High Touch

Technology, if used right, can improve fine service. A good balance of high tech versus high touch is key.

- Barak Hirschowitz





The more high technology around us, the more the need for human touch...HighTech/High Touch. The principle symbolizes the need for balance between our physical and spiritual reality.

— John Naisbitt —

AZ QUOTES

Thank You

GREVZN XNFVU

http://www.decode.org/?q=GREVZN+XNFVU+





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