A Workplace Journey 35 years and beyond

IFMA

Minneapolis, MN Jan 31, 2019

PERKINS + WILL

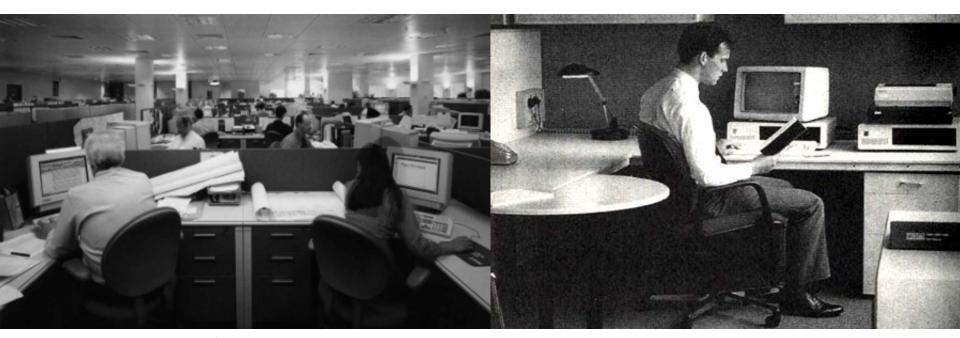


1984



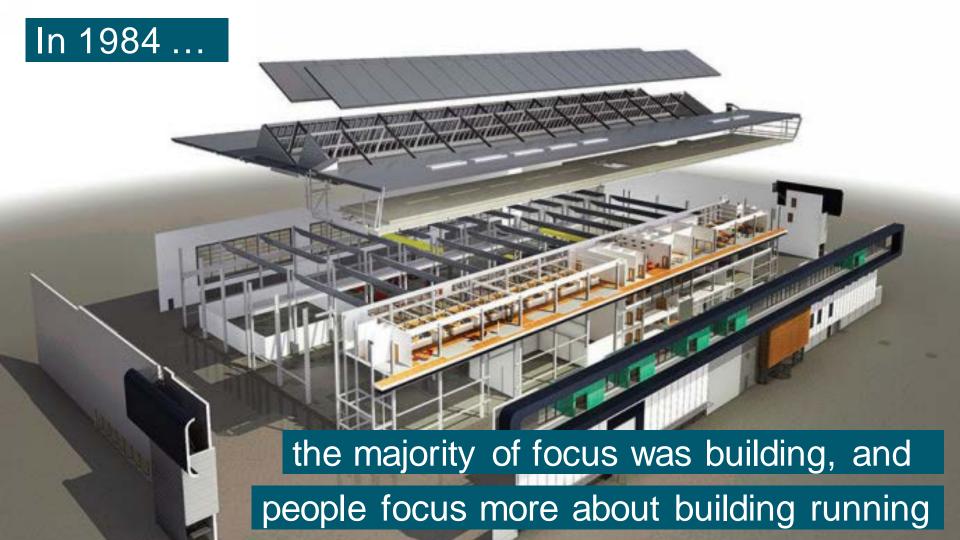
George Graves at Podium Sources from IFMA

CHANGES IN WORK ENVIRONMENT OVER DECADES



The diminishing size of the cubicle didn't help its plummeting popularity. The average cubicle shrunk between 25% and 50% in size between the mid-1980s and mid-1990s, according to The Washington Post.

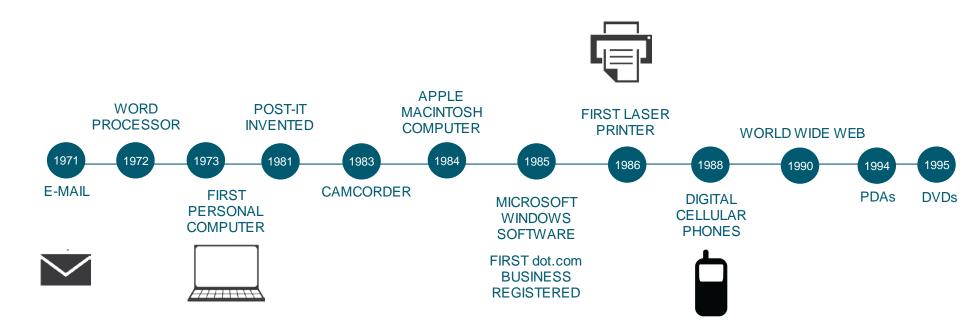
(Business Insider, 2018)





TECHNOLOGY TRENDS

1970's to 1990's (JIVE, 2016)



TECHNOLOGY TRENDS

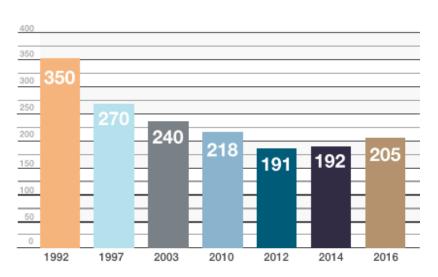
2000's to 2015 (JIVE, 2016)



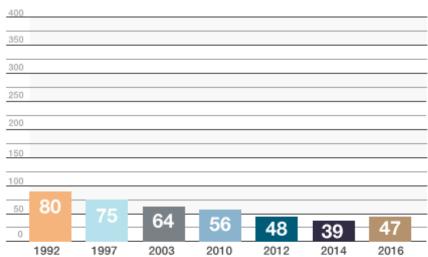


SPACE TRENDS

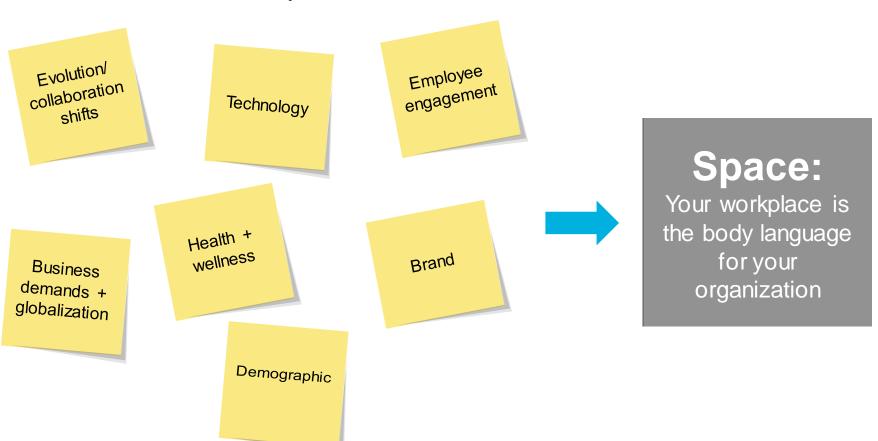
Area: USF/P w/ amenities



Square Footage Workstation



Forces in the workplace



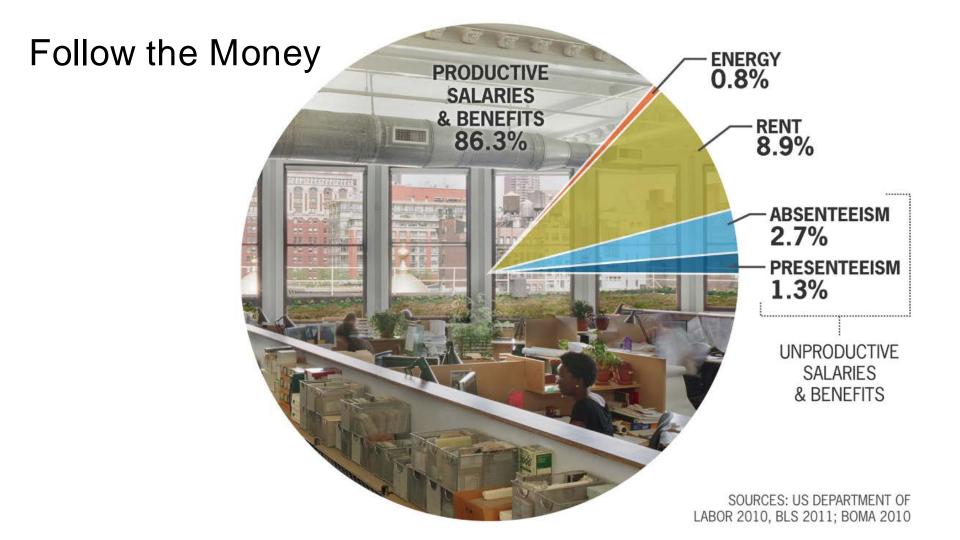
PERKINS+WILL

Revenue pressures Demand for innovation Speed of decisions Global competition Brand alignment Global teams Complex problem solving







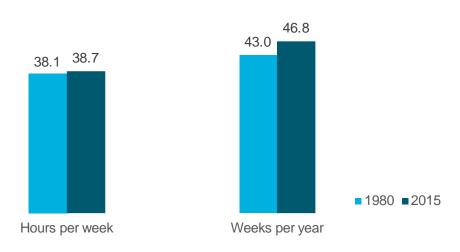




2020 INTO THE FUTURE

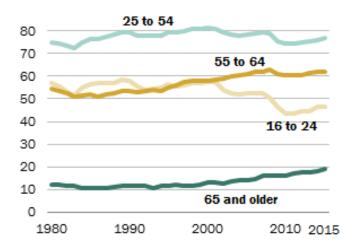
WHO	1945-1960 Baby Boomers	1961-1980 Generation X	1981-1995 Generation Y	1995-Today Generation Z
VALUES	Security	Balance	Freedom	Stability
TECH	Adaptors	Adaptors	Digital Natives	Technoholics
ICONIC PRODUCT			Co	
2020+	8%	28%	33%	31%

PEOPLE ARE WORKING HARDER AND LONGER



Workers are putting in an average of nearly 4 more weeks of work annually

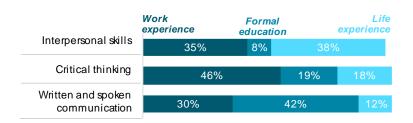
The typical workweek has increased to 38.7 hours in 2015 from 38.1 hours in 1980



A rising share of the population ages 65 and older is working from 12% in 1980 to 19% in 2015

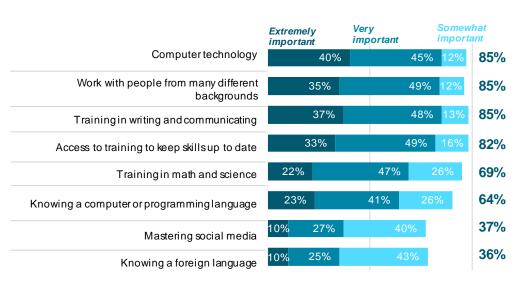
WORKFORCE CHANGES Skills & Traits

How and what they learn



Workers who rely heavily on interpersonal skills, critical thinking and good communications skills report that they acquired these skills in different settings

Critical skills



Source: Survey of U.S. adults conducted May 25-June 29, 2016.

DESIGN FOR EXPERIENCE

Create a dynamic and responsive environment that engages the physical, emotional, intellectual and aspirational elements of work:

- 1. Inspire a Greater Purpose
- 2. Spark New Connections
- 3. Support Diversity
- 4. Promote Well-Being



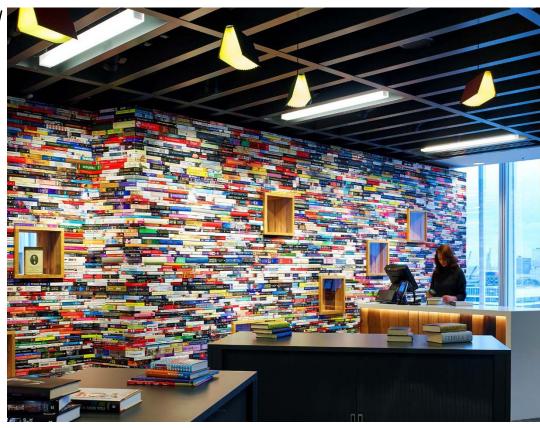
INSPIRE A GREATER PURPOSE Dan tropisy and recipient, Fultiglis vite, Dec

INSPIRE A GREATER PURPOSE // ENGAGEMENT

70% of employees in America are disengaged. Why go to the office? If meaning and purpose infiltrate the workplace, employees will seize it.

Only about 4 in 10 employees know what their company stands for and what makes its brand different from its competitors'.

Source: "Why Your Company Must Be Mission-Driven," Gallup News



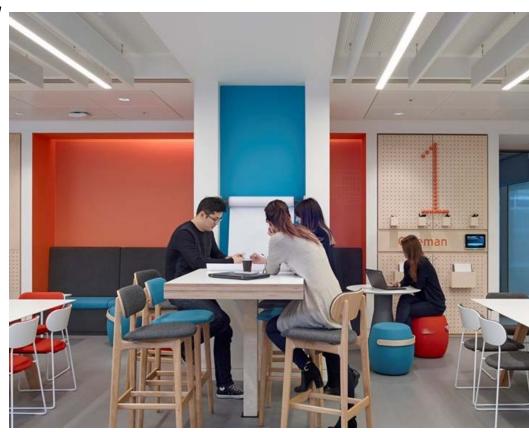


SPARK NEW CONNECTIONS // FACE-TO-FACE

Creating space for social contact will build strong business relationships and promote trust among team members.

Those who had an opportunity for 15 minutes to chat and socialize with coworkers showed a **20**% increase in performance.

Source: "Why You Need to Actually Talk to Your Coworkers Face-to-Face." FastCompany.com

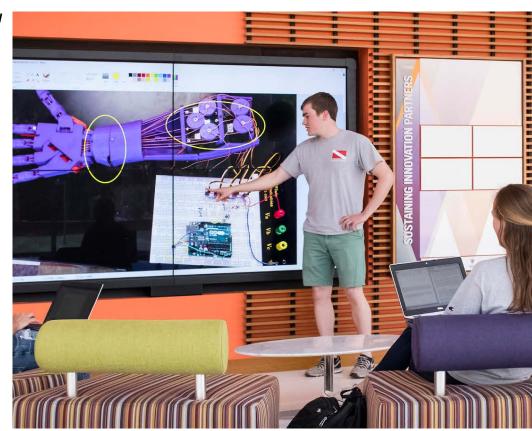


SPARK NEW CONNECTIONS // A PHIGITAL WORLD

It's no longer work/life balance; it's phigital. For Gen Z, the real world and digital work overlap. Virtual is reality.

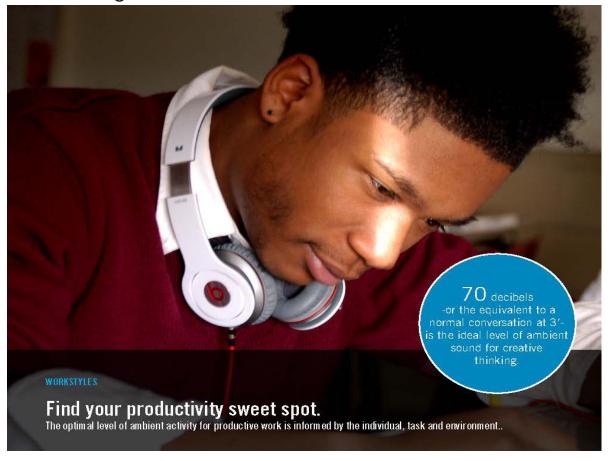
91% of Gen Z say that a company's "technological sophistication would impact their decision to work there."

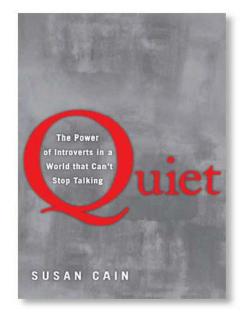
Source: Gen Z @ Work. David and Jonah Stillman





Balancing Collaboration with Focus





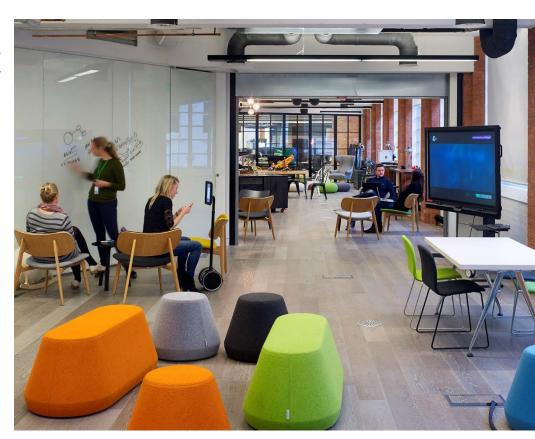
PERKINS+WILL

CELEBRATE DIVERSITY// CHOOSE YOUR OWN ADVENTURE

While a highly structured, tightly scheduled workplace may be perceived to foster productivity, a more relaxed, unstructured environment unlocks creativity.

97% said their best ideas come to them while in the shower, on vacation, taking walks, enjoying a glass of wine, or just doing nothing.

Source: The Workplace of the Future: Connected, Collaborative, Creative, Cisco Blogs





ag-ile

'ajəl/

Adjective

1. Able to move quickly and easily.





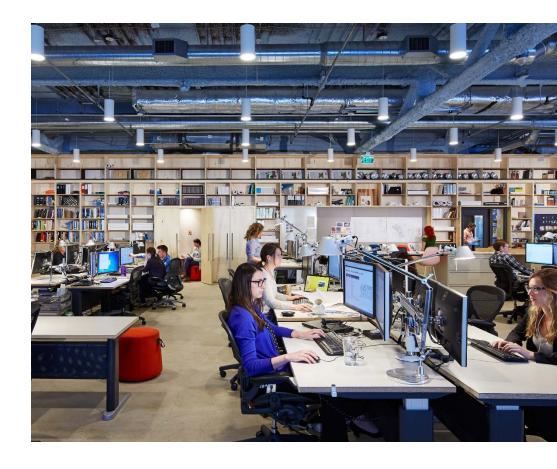


PROMOTE WELL-BEING // ROI

Wellness is the next Trillion Dollar industry as employers invest in healthy living programs and employees take more responsibility for optimizing their own health.

and lacking meaning and purpose.

59% of workers are physically depleted, emotionally drained, mentally distracted,



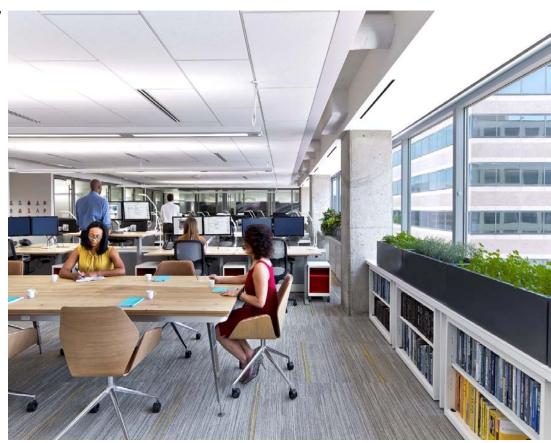
Source: What is Quality of Life at Work? HBR.org & The Energy Project

PROMOTE WELL-BEING //

NEUROSCIENCE & DESIGN

Science will play a role in devising dynamic responses to environmental elements such as color, acoustics, and lighting to optimize performance for all human conditions

The World Health Organization states that 20% of an individual's health status is a direct result of the quality of their environment.





STRATEGIES AND SYSTEMS





1,200+
LEED ACCREDITED
PROFESSIONALS



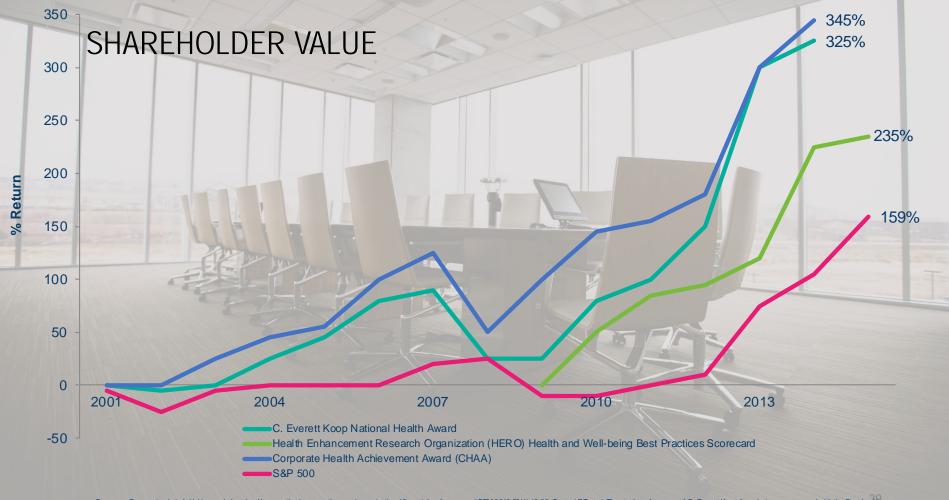
32 FITWEL AMBASSADORS



WELL ACCREDITED PROFESSIONALS



58
RELI ACCREDITED
PROFESSIONALS



Sources: Grossmeler J et al. Lirking workplace health promotion best practices and organizational financial performance. JOEM 2016;58(1):16-29. Goetzel RZ et al. The stock performance of C. Everett Koop Award winners compared with the Standard Poor's 500 Index. JOEM 2016;58(1):9-15. Fabius R et al. Tracking the market performance of companies that integrate a culture of health and safety. JOEM 2016;58(1):9-8. Note: Side provided by HERO-HEALTH, 2016. All rights reserved.

IS OPEN PLAN DEAD?

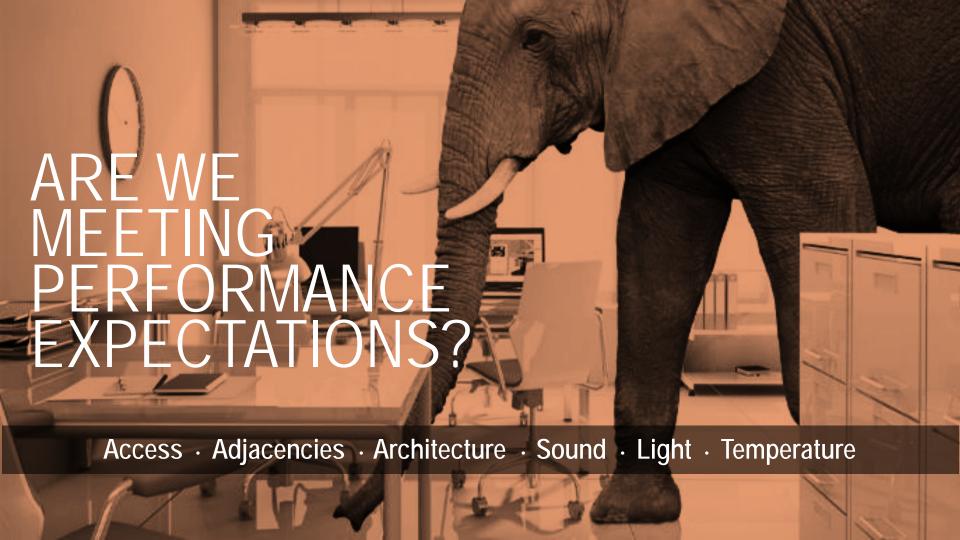
"Face to face interaction decreased by an average of 69%"

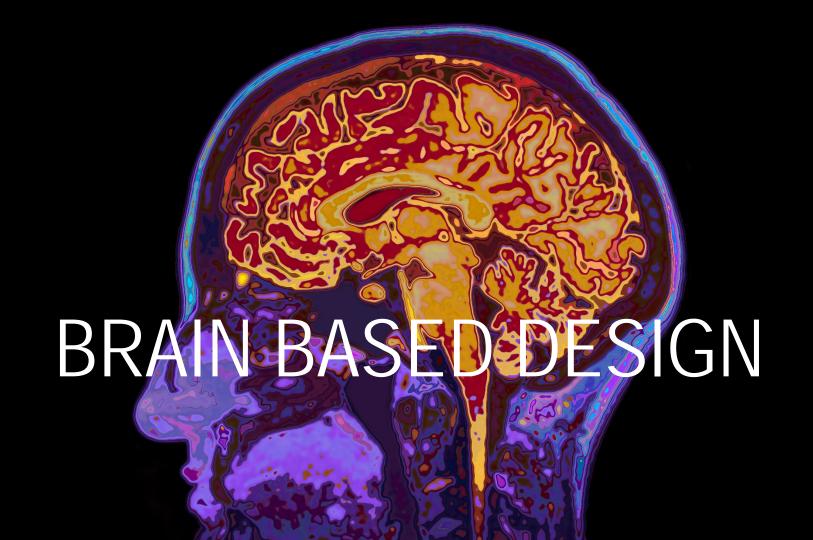
"Benefits of enhanced 'ease of interaction' were smaller than the penalties of increased noise level and decreased privacy resulting from open-plan office configuration"

"Email exchanges, as before, increased by an average of 36%"









NEURO-ARCHITECTURAL INTERACTIONS



1. LIGHT Visual System

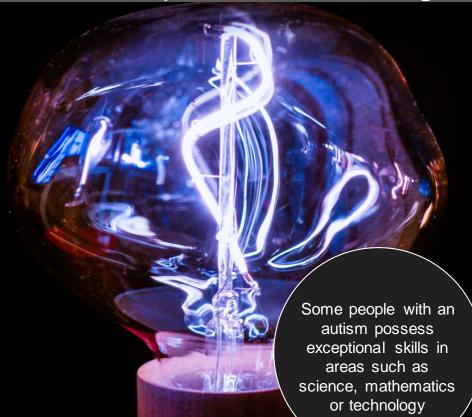
2. SOUND Auditory System

3. LOCATION Spatial Awareness

4. ACTION Movement + Memory

5. COGNITON Thinking + Performance

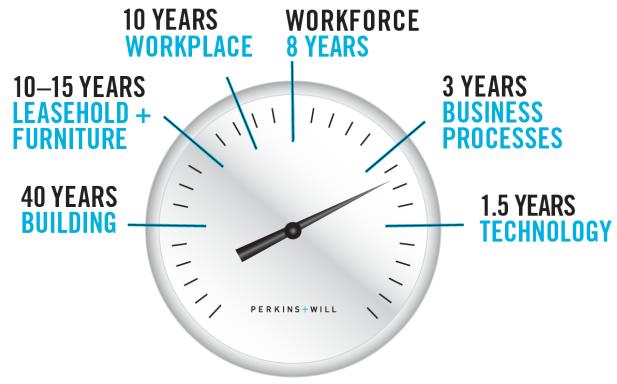
Neurodiversity as a Competitive Advantage



Microsoft launched a pilot program to hire people with autism. In the months since the program began,
Microsoft has hired 11 new employees who have autism

Sources: Microsoft Official Blog (2016)

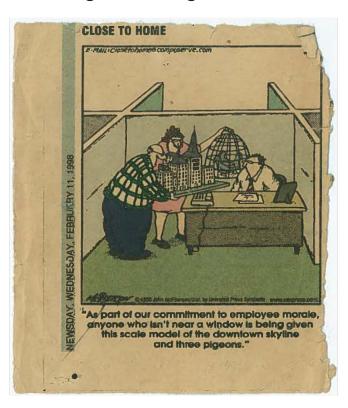
Flexibility + Adaptability



Work is changing faster than workplace.

PERKINS#MILL

Change Management



CHANGE MANAGEMENT CIRCA 1998

"As part of our commitment to employee morale, anyone who isn't near a window is being given this scale model of the downtown skyline and three pigeons."

PERKINS+WILL perkinswill.com

FOCUS OF FACILITIES MANAGEMENT IS SHIFTING

- Tactical Decisions
- Reactive to business unit demands
- Reduce discretionary spending
- Focus on core business
- Improve capital and balance sheet management
- Supplier divided service provisions
- Focus on input specifications



Manage to cost



- Strategic planning
- Proactive corporative executive led initiatives
- Leverage the best business aligned functions
- Support business
- Manage risk-adjusted capital spending
- Integrated service delivery
- Focus on output/outcome and people



Increase efficiency and scalability









seating for 2,000 people

With 650 parking

spaces

*Image courtesy Edge Technologies

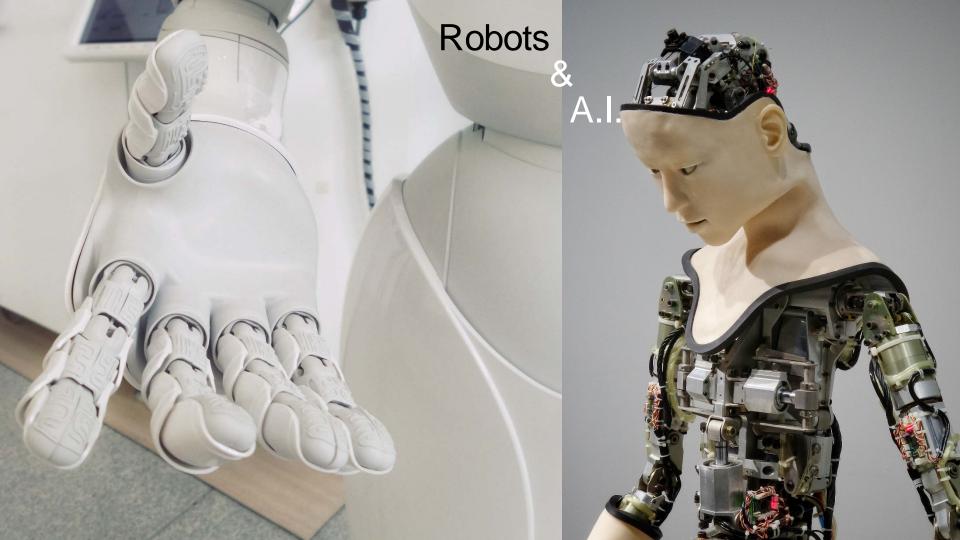
Facility Manager Real Estate Manager Employee ... Predictive Employee Indoor Smart Smart Room Workplace Building Asset Maintenance Booking **Positioning** Cleaning Security Satisfaction Finder **Tracking** Analytics bos Personal Colleague Smart Comfort that Energy Property Comfort Finder Parking follows Value Efficiency Azure bGrid® API bGrid® Node Beacon 0 Heating & Lighting Ventilation Presence & Temperature Humidity Object Cooling **Positioning** Localisation Recognition (2018) Asset tracking Etc. Phone Light COL Sound Connects with Everything **Built in sensors** bGrid® Smart Building network

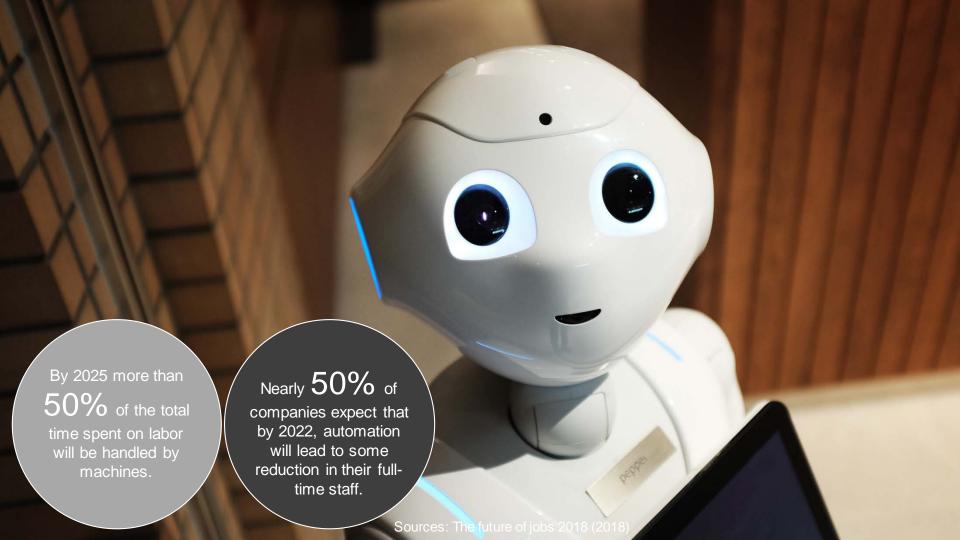
TECHNOLOGY TRENDS

Current to Future (JIVE, 2016)



















A special thanks to my contributors

Fred Atkinson, Allianz

Jim Jutz,3M [retired]

Kathleen Linderkamp, Securian

And to IFMA!