

DESIGNING AND NEGOTIATING WORKPLACES FOR THE FUTURE WORKFORCE

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Melissa Jancourt
HGA Architects and Engineers Inc.

FOCUS

- Workplace Strategies + Research
- Predesign Advisor
- Well-being
- Strategic Facilities Planning

EXPERIENCE

- 25 years
- Local and national workplace environments
- Municipal Planning
- Corporate Headquarters
- Higher Education Environments
- CoreNet Board Member: Midwest



Steve StromCresa Partners

FOCUS

- Real Estate Advisor
- Tenant Representation
- Planning and Relocations
- Lease Negotiations

EXPERIENCE

- 20+ years
- Local and national workplace environments
- Corporate representation



David Paeper, AIAHGA Architects and Engineers Inc.

FOCUS

- Workplace Strategies
- Predesign Advisor
- Strategic Facilities Planning
- Master Planning

EXPERIENCE

- 30+ years
- Local and national workplace environments
- Corporate headquarters
- Higher education learning environments



PANEL DISCUSSION

- The News
 - Profile of the engineering profession
 - Generations, human capital and well-being
- Smart Buildings, Smart Devices, Data Sources
- Mobility and choice
- Future lens
- Real Estate Update and Implications

The engineering workforce - today

Today

- 50%+ are over 45
- 13% are women
- 1/3 of those holding engineering degrees were born outside the US
- 51% current engineers consist of mechanical, industrial, civil and electrical
- College enrolments are failing to keep pace with retirements



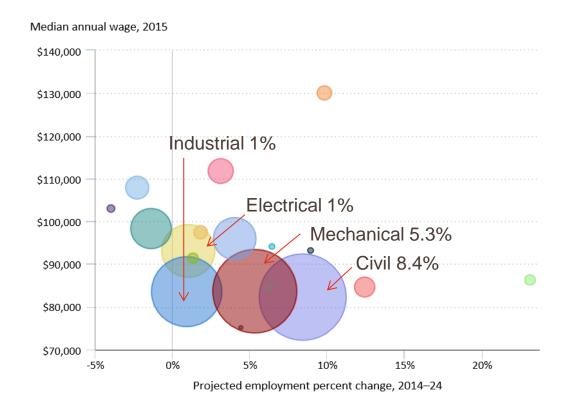
The engineering workforce - growth

Median annual wages in 2015 and projected 2014–24 employment change for engineering occupations

Bubble size represents projected 2024 employment



11% Projected expansion



The engineering workforce - considerations

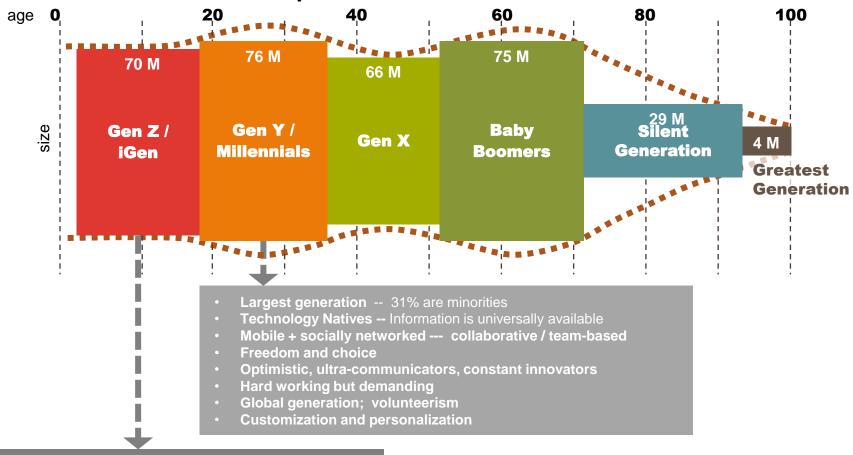
Tomorrow's Workforce

- Expect more diversity and competition
- Optimizing human capital and employee experience becomes critical
- New technologies, opportunities and skill sets
 - Push for measurement and strategies to support well-being
 - Increased demand for
 - Specialized skill sets
 - Creativity and innovation
 - Soft skills









- Increasingly influential
- Smartphone Natives
- **Diverse** 50% belonging to a minority race or ethnicity
- Label agnostic identity not tied to fashion
- Concerned about money
- Massively connected but wary of how they're linked in
- Entrepreneurial 70% self employed as teenagers

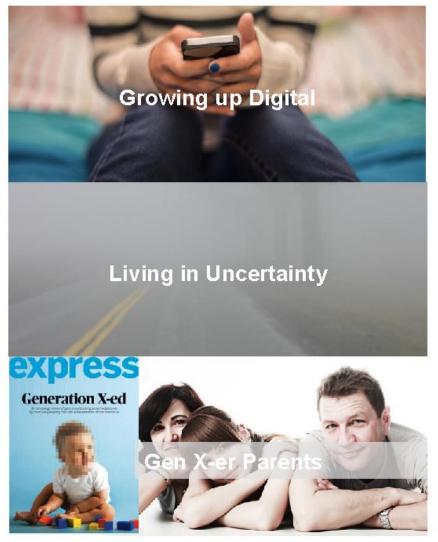
Source: Goldman Sachs

Generation Z

LIMITLESS ACCESS

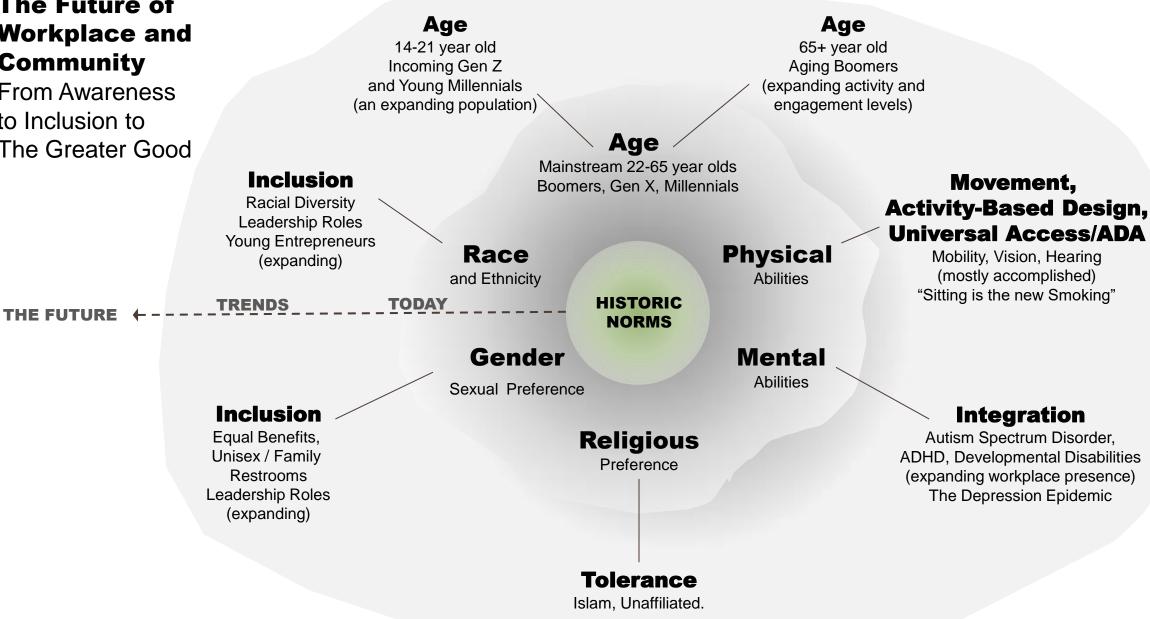
GENERATION X PARENTS

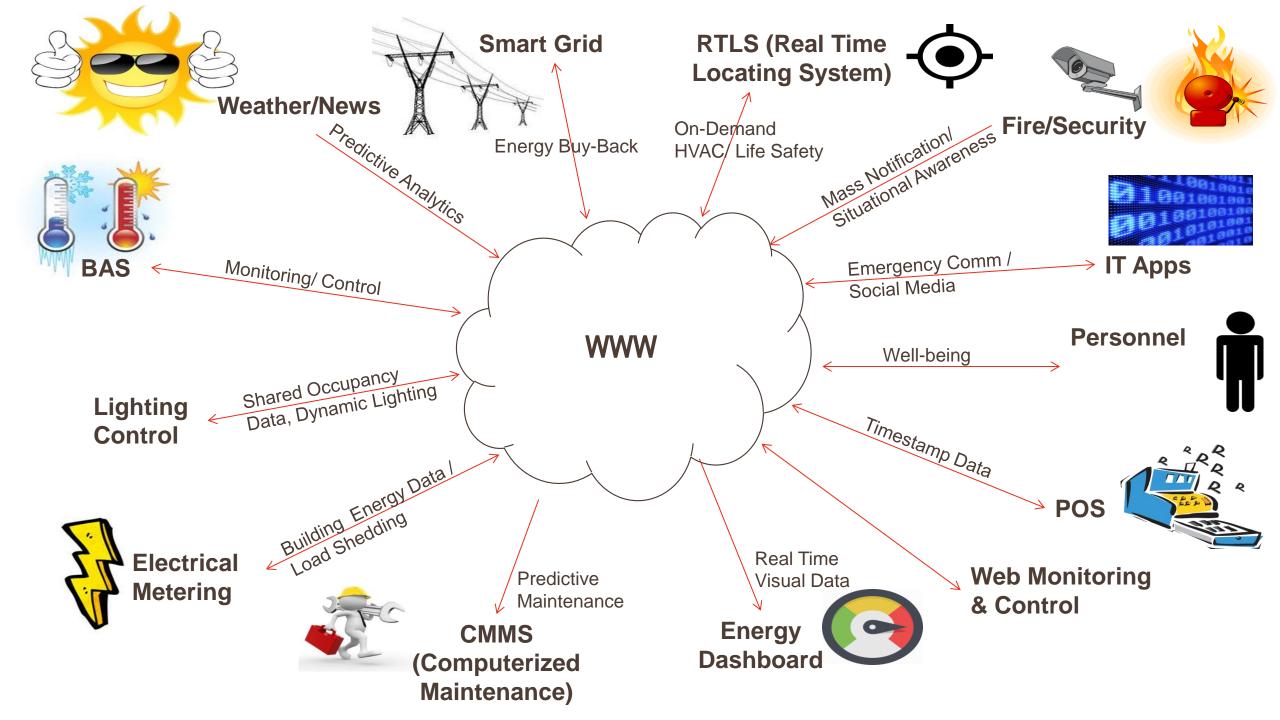
LIVING WITH UNCERTAINTY



*Courtesy of Altitude

The Future of Workplace and **Community** From Awareness to Inclusion to The Greater Good

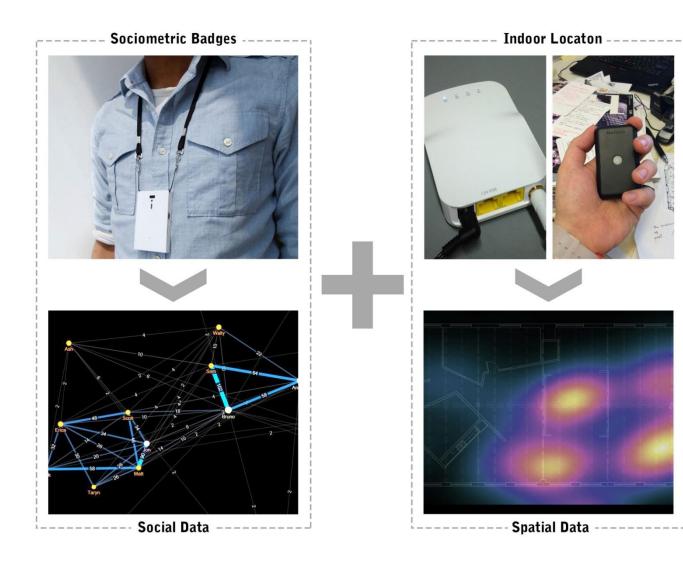




Work Site Current Research

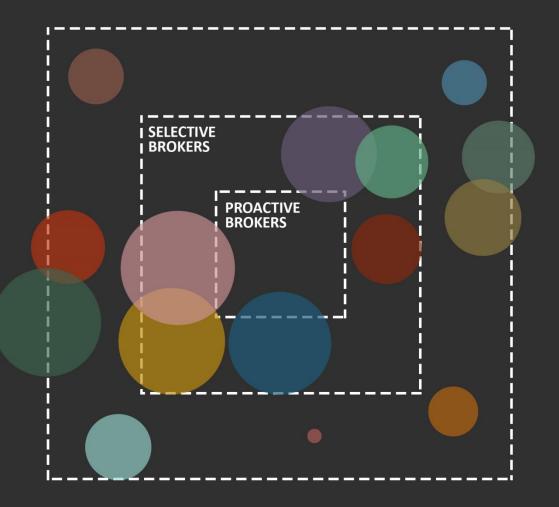
People Space Analytics

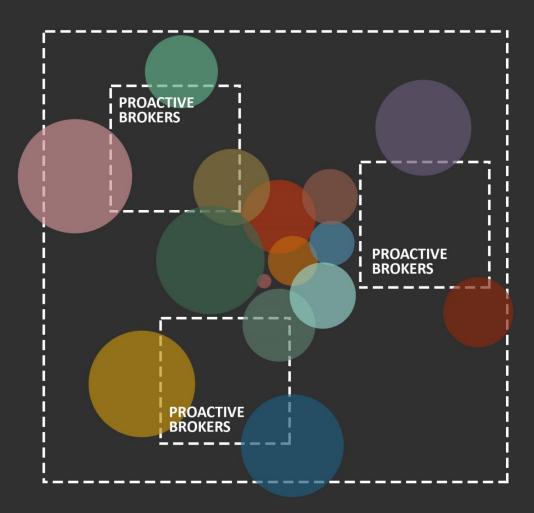
Understand utilization, behaviors and social networks to test and inform strategies



COLLABORATION = f (INTERACTION **x** BETWEENNESS, DEGREE)







What remains consistent?

- ▶ We are not all the same
- ► We do different things
- ► Happy, healthy employees = productive, creative employees

What makes us happy?

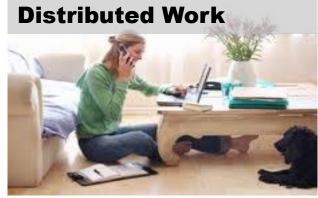
Give them what they need

Choice and control

We all want to feel

- ► Safe: Cared for
- ▶ Comfortable: Basic needs met
- ► Healthy: Our physical vitality supported
- Socially Connected: Personally connected
- ► Emotionally Connected: Part of something good
- ► Fulfilled: I have influence

Your Commute macro mobility



micro mobility





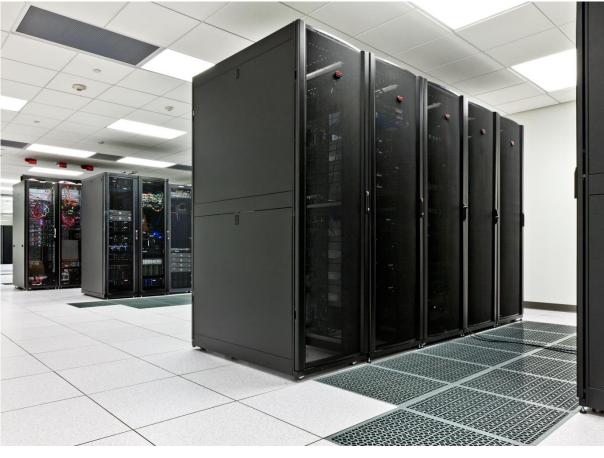
safety health &



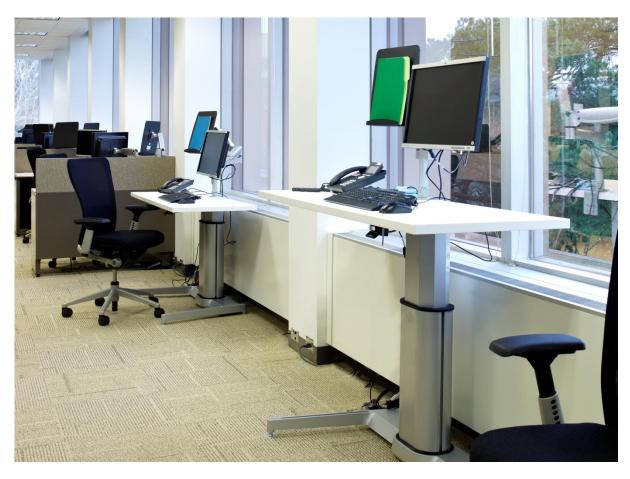


Safe



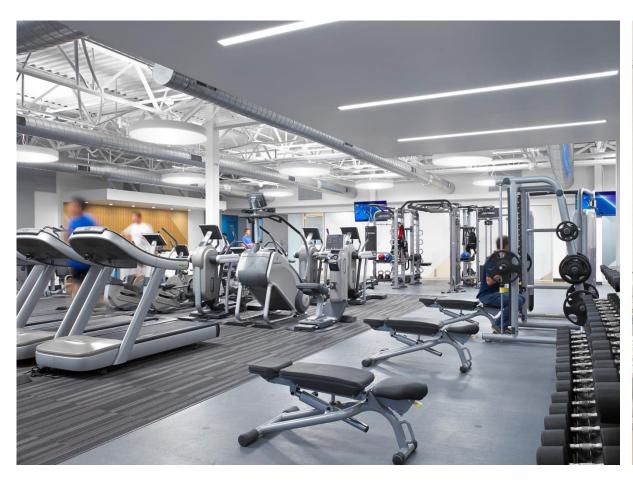


Comfortable



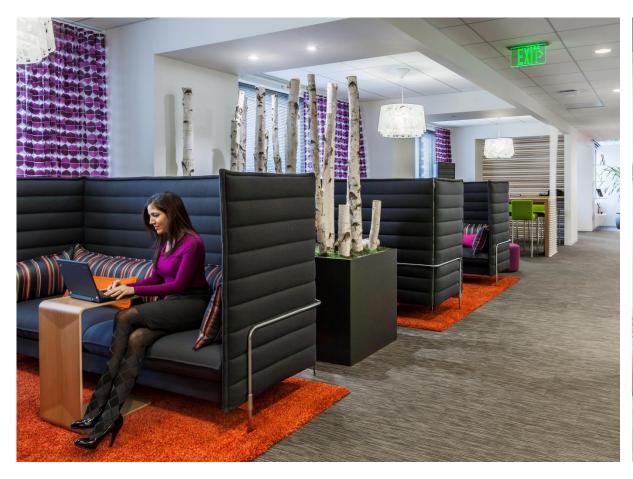


Healthy





Socially Connected





Emotionally Connected





Fullfilled





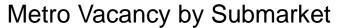
Market Update

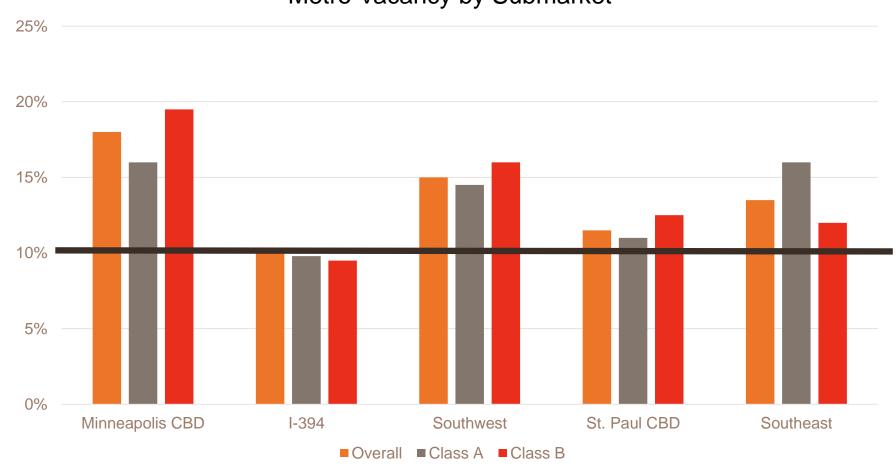
Office Trends

- ► What's Hot | I-394 and the North Loop
- Bifurcation of Markets
- ► Talent | Attraction and Recruitment
- ► Amenities | Walk Scores Win
- ► Rising Construction Costs
- ► Record Property Tax Increases

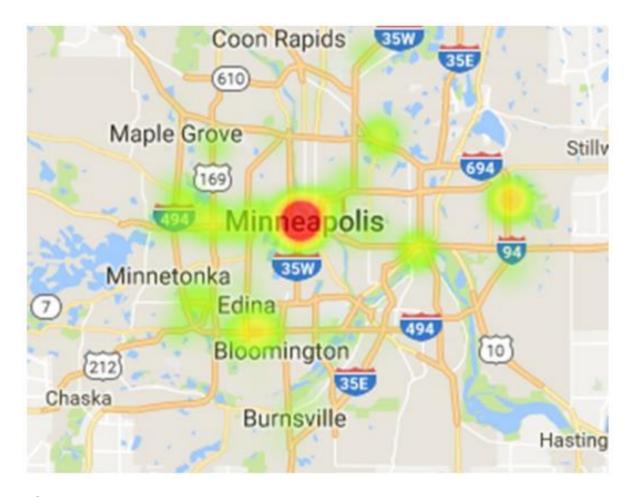


Office Vacancy





Office Leasing



Source: 2016 by Xceligent, Inc.

Migration to Downtown Minneapolis

- ▶ Be The Match (240,000 SF)
- ► Select Comfort (211,000 SF)
- ► ECMC (125,000 SF)
- ► Code42 (65,000 SF)
- ► Arctic Cat Inc. (55,000 SF)

1,223,881 SF = 26 Companies

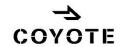






















Corporate Consolidations/Rightsizing

- ► Wells Fargo (-970,000 SF)
- ► TCF Bank (-220,000 SF)
- ► Xcel Energy (-146,000 SF)
- ► Capella Education (-64,131 SF)
- ► Mithun (-60,000 SF)

-1,642,131 SF = 12 Companies







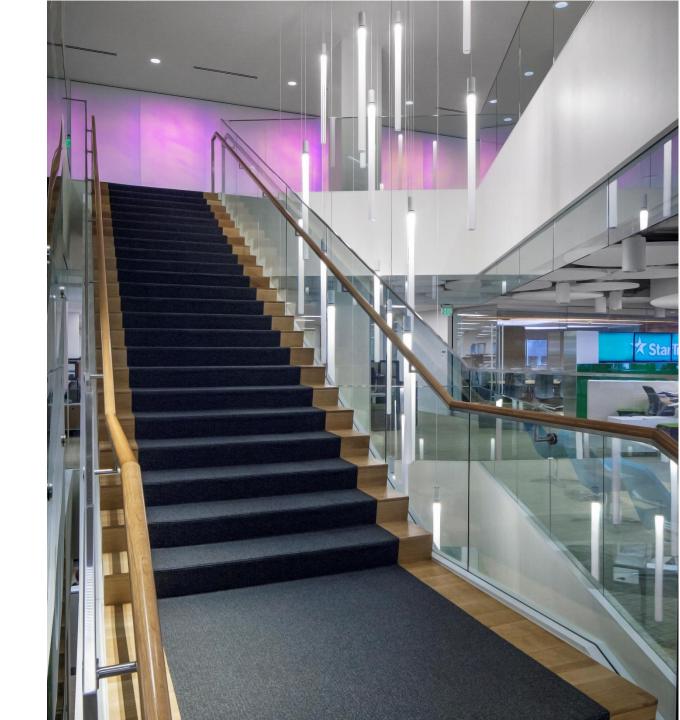






Five Trends to Watch in 2017

- ▶ Urbanization to Continue
- ► Significant Corporate RE Investment
- ► Adaptive Reuse Projects
- ► Rising Occupancy Costs
- ► Infrastructure Investment



QUESTIONS