# Building For The 21st Century Why We Need Digital Construction DIRTT

- 400 Million in Annual Revenues
- Publicly Traded on the TSX DRT & NASDAQ DRTT (USD)
- 1,200 DIRTTbags Strong
- 7.800 clients worldwide.
- Over \$1 billion of our solutions shipped since launching in 2005
- Lead the industry with developing first PCR(product category rule) for transparency & has an Environmental Product Declaration.
- 4 Factory Locations In North America
- Work With 290 of 2018's Fortune 500 Companies
- Corporate > Healthcare > Education
- Design Assist | Multi-Trade Subcontractor
- Most sustainable method of interior construction

#### **About DIRTT**

#### Personalized prefab. Really.

Build the perfect interior space for what you need now — and whatever the future brings. Designed to respond to your needs for any place, from healthcare to school or office to home life. This is digital construction at its best.





### Agenda

- 1. Why?
- 2. How? The 3 Key Elements
  - A. Software
  - B. Solutions
  - C. Process
- 3. Projects



# Why? A few of the key challenges on how we build interior space?



- Cost uncertainty
- Unpredictable schedules
- Vision does not match end result
- Living in obsolescence.
- · Skilled labor.
- Fixed in place.
- Wasteful process.



# And in the end they will not meet today's or tomorrow's Smart building goals.



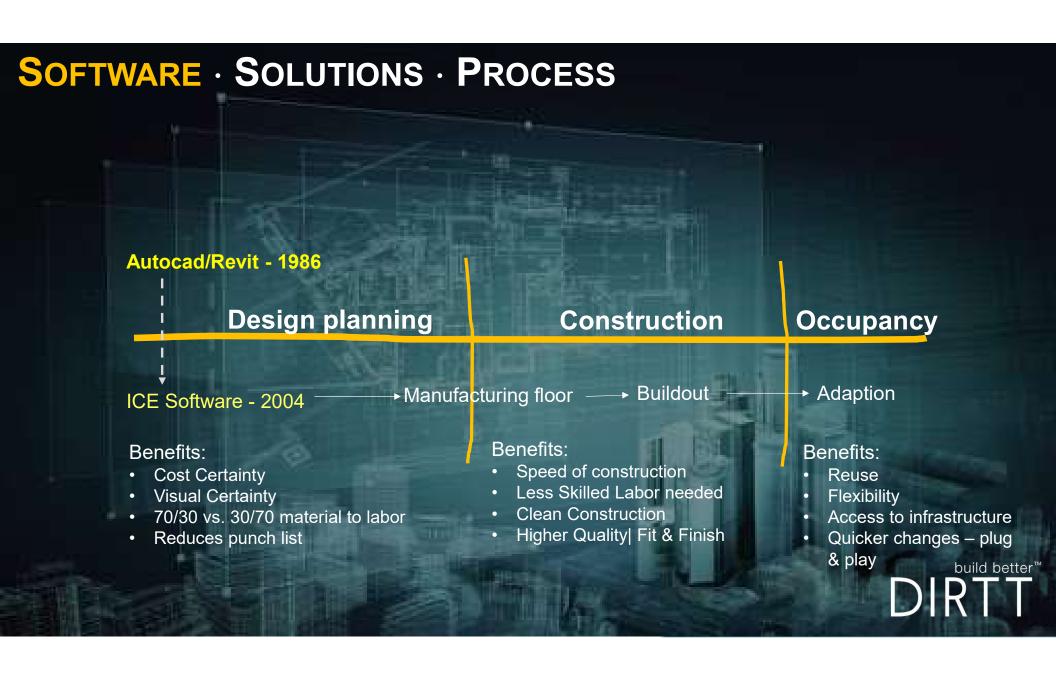
#### Some statistics that advocate for a Smart Buildings focus:

- In urban settings, 87% of a day is spent inside a building
- 80% of all mobile usage is inside a building
- Smart buildings support sustainability and a smart sustainable building can reduce energy usage from 40% to an astounding 70%
- In certain municipalities, office space utilization is at 48%, leaving much room for smart, flexible space utilization
- Improved workplace design, lighting, and air quality can lead to an uplift of 30-40% in employee productivity
- Health, wellness and productivity as supported by the workplace are key trends in corporate human resource management



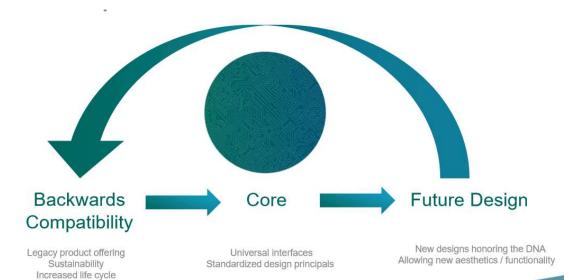
### The 3 Key Elements





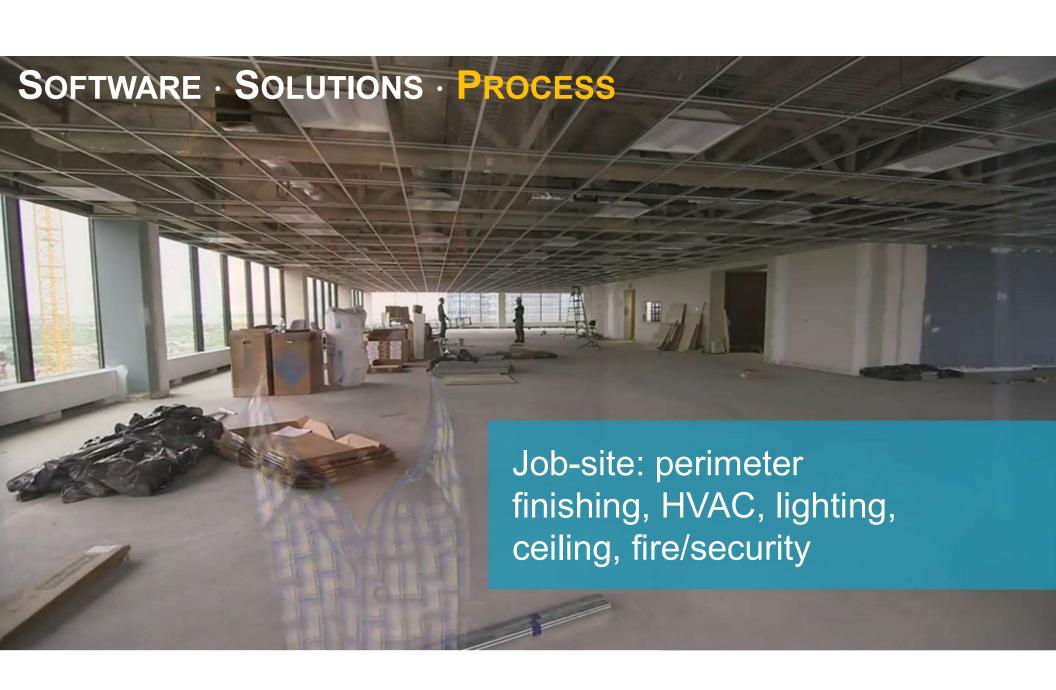
#### SOFTWARE · SOLUTIONS · PROCESS

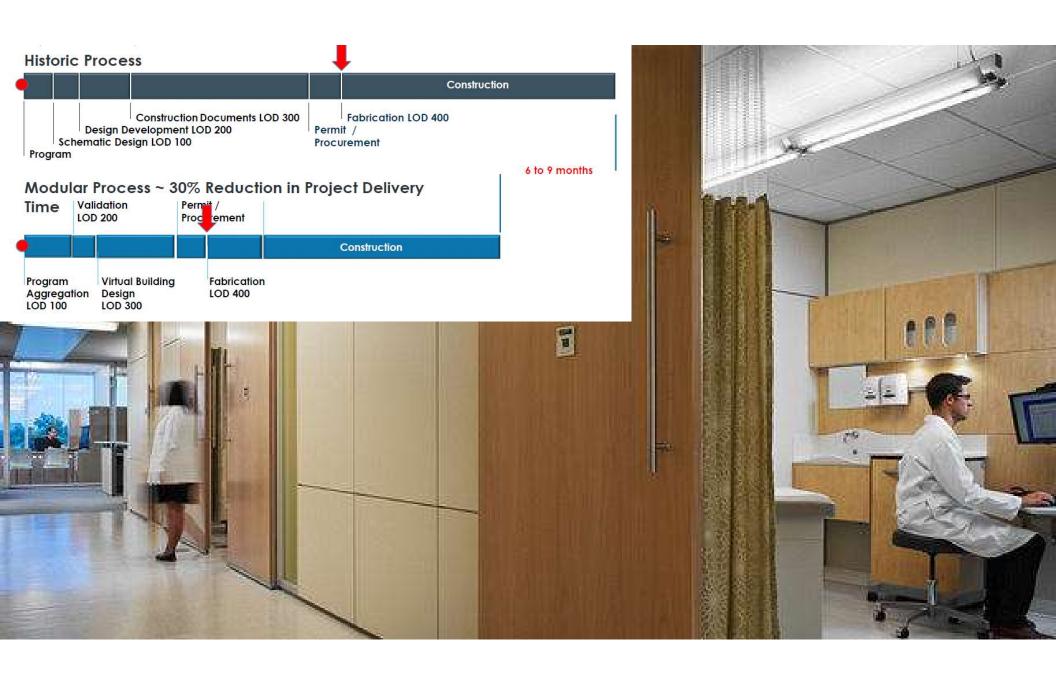
### Our Unique DNA:







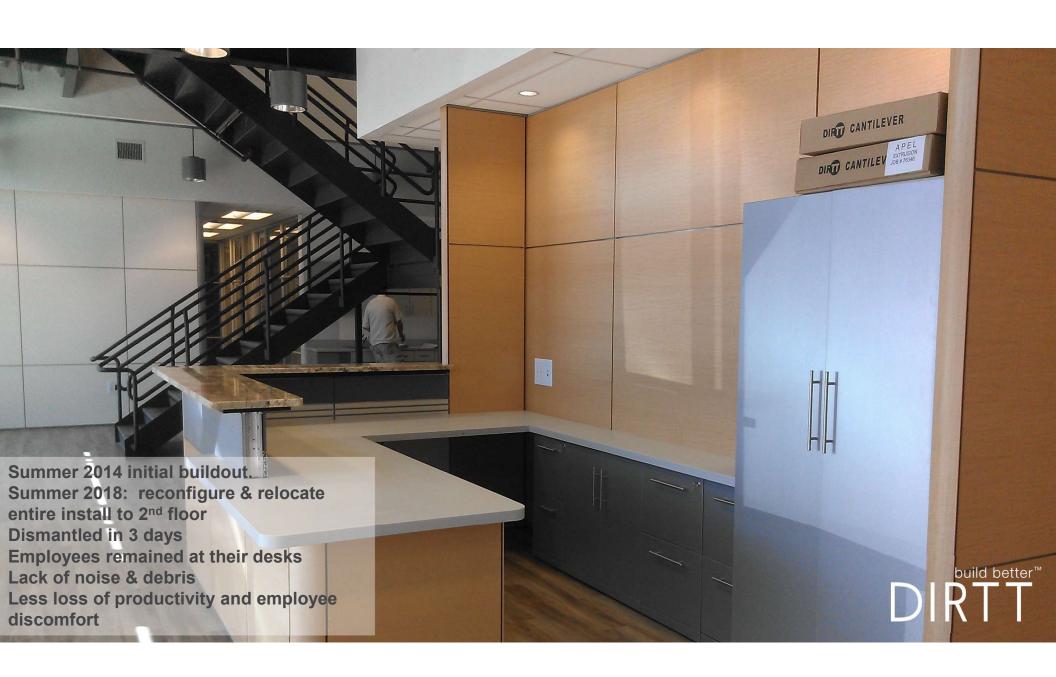




# Occupancy

Agile Flexible Environments







## IF this project were built conventionally.

- Original build: 3,801 lbs of debris generated
- Original build demo: 13,303 lbs of debris generated
- New build: 5,461 lbs of debris generated

#### Due to offsite construction methods.

- Total of 22,565 lbs of debris were diverted from the landfill
- 2 standard garbage cans of waste were generated in the entire project

#### Reuse is Real:

- Complex reconfigure, 98% reuse of original materials
- Use technology to calculate materials reused & new ones needed
- New solutions arrived in under 3 weeks
- Reconfigured install took 7 days
- 2 standard garbage cans of waste were generated in the entire project





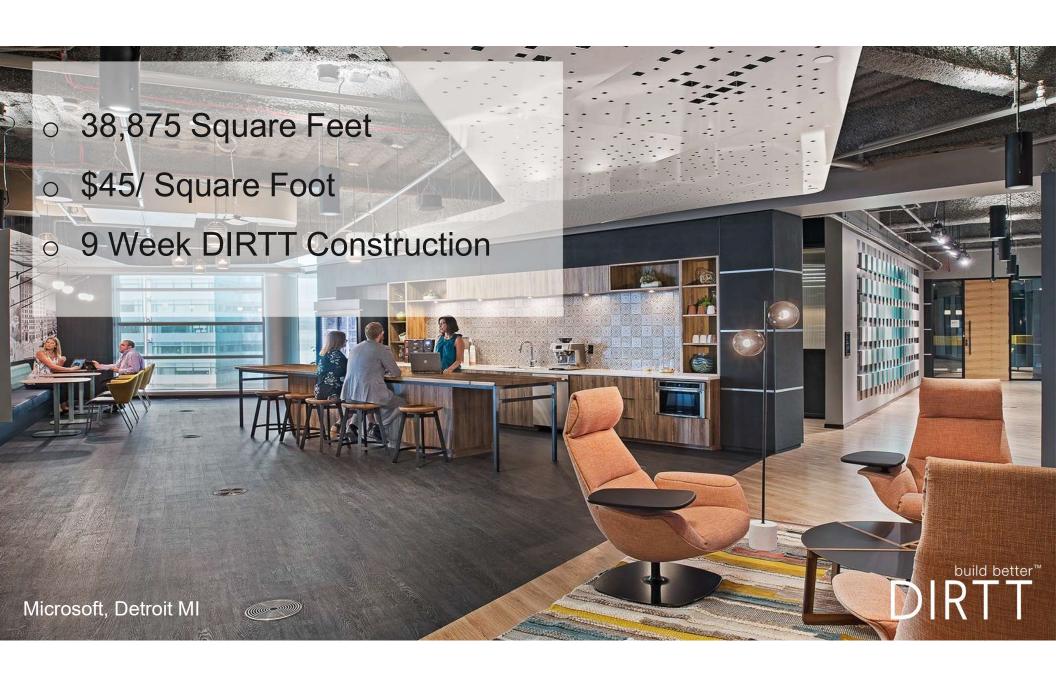
#### So, Who's Building This Way?

more people than you think. less than would benefit.



DIRTT has delivered interior construction projects to more than 7,800 clients worldwide. We've shipped over \$1 billion of our solutions since launching in 2005.

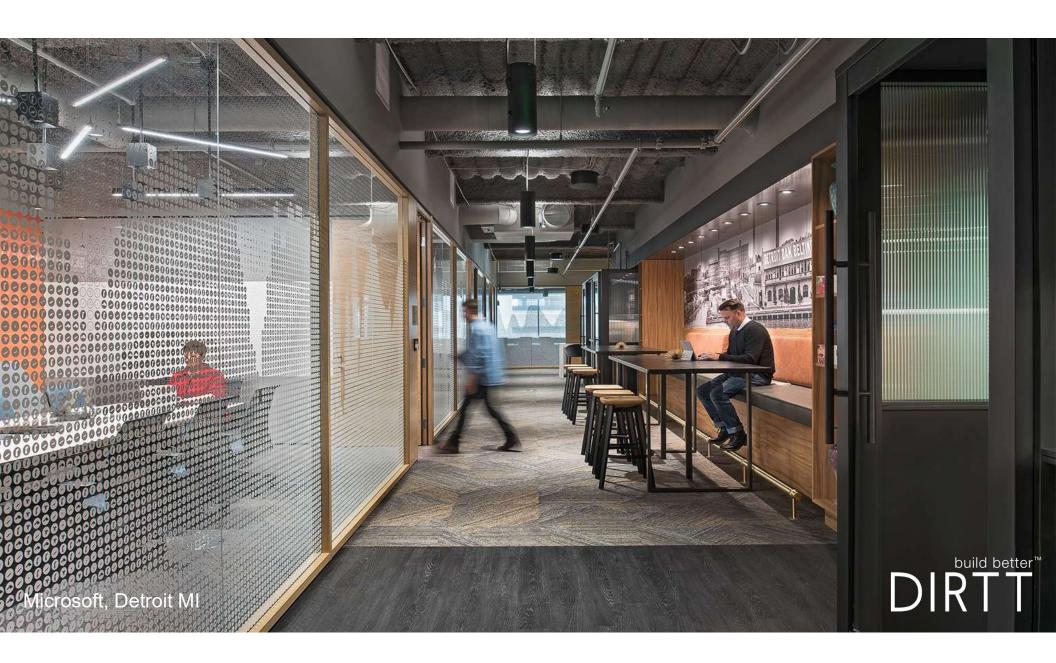


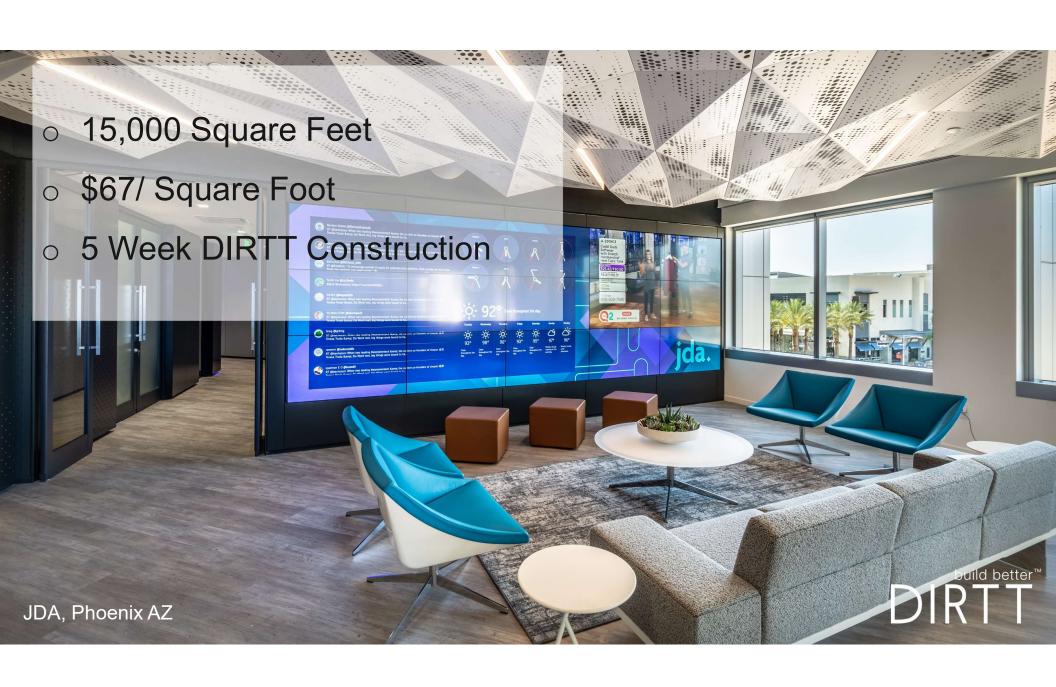


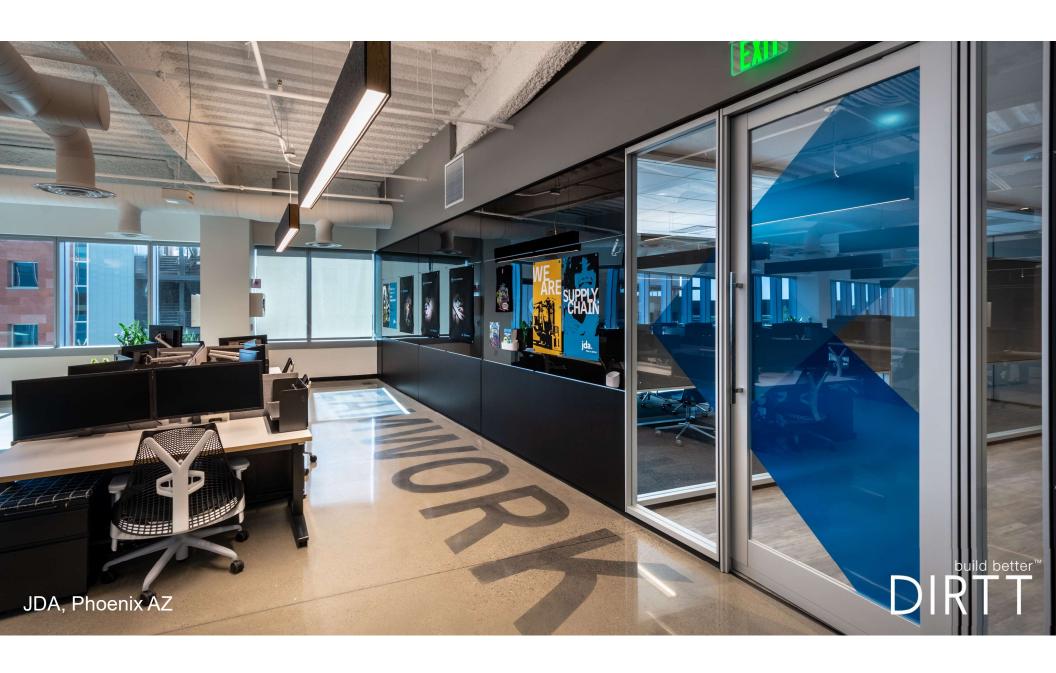


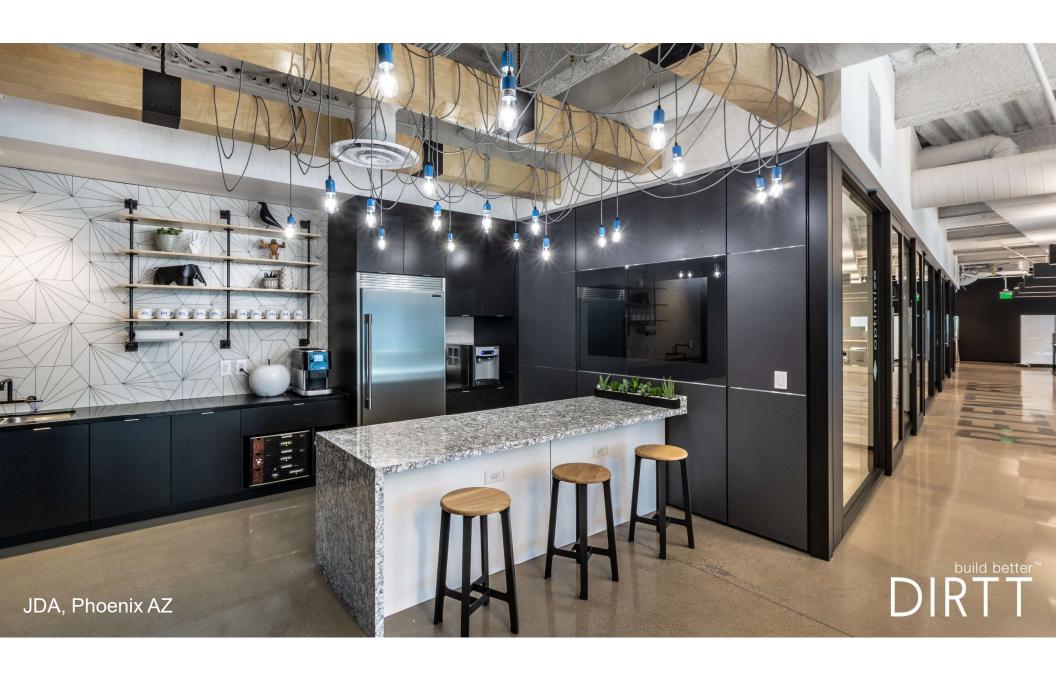




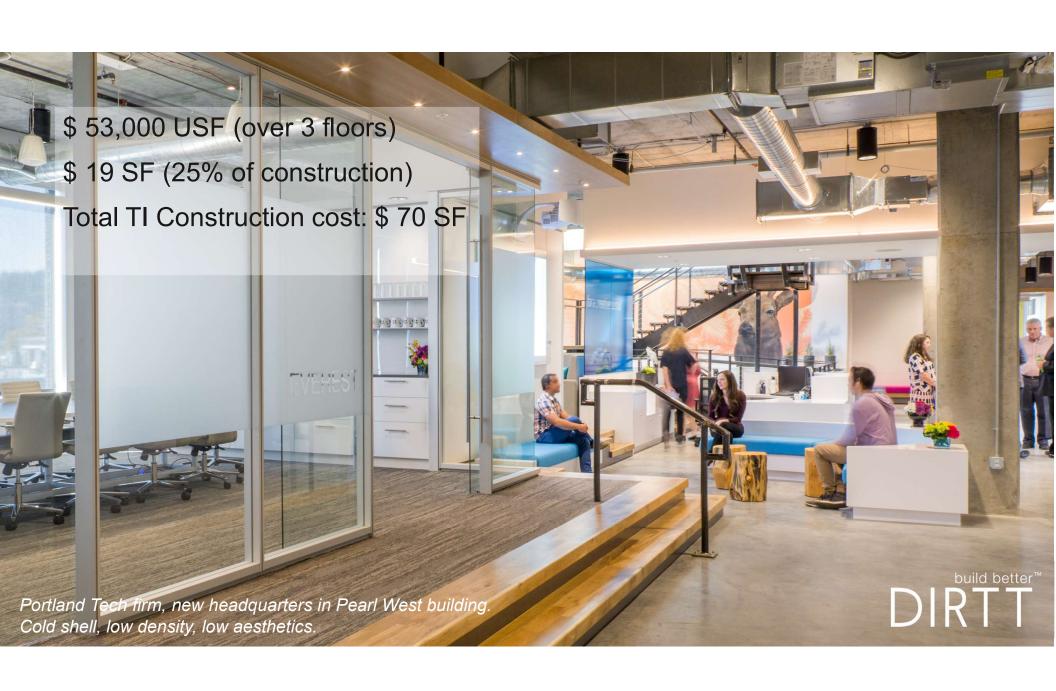






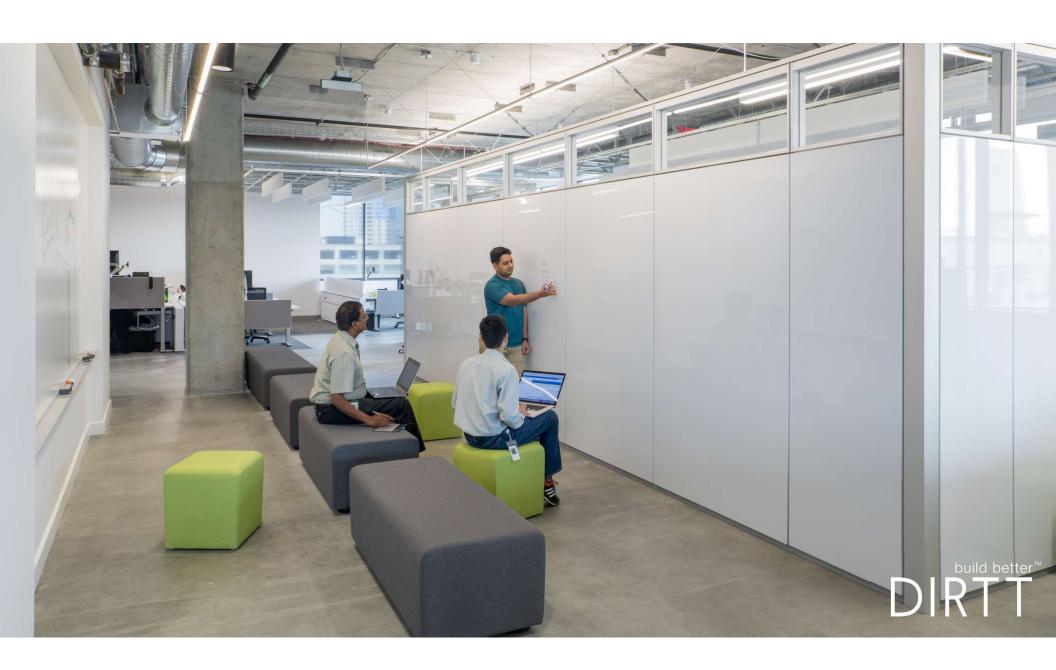


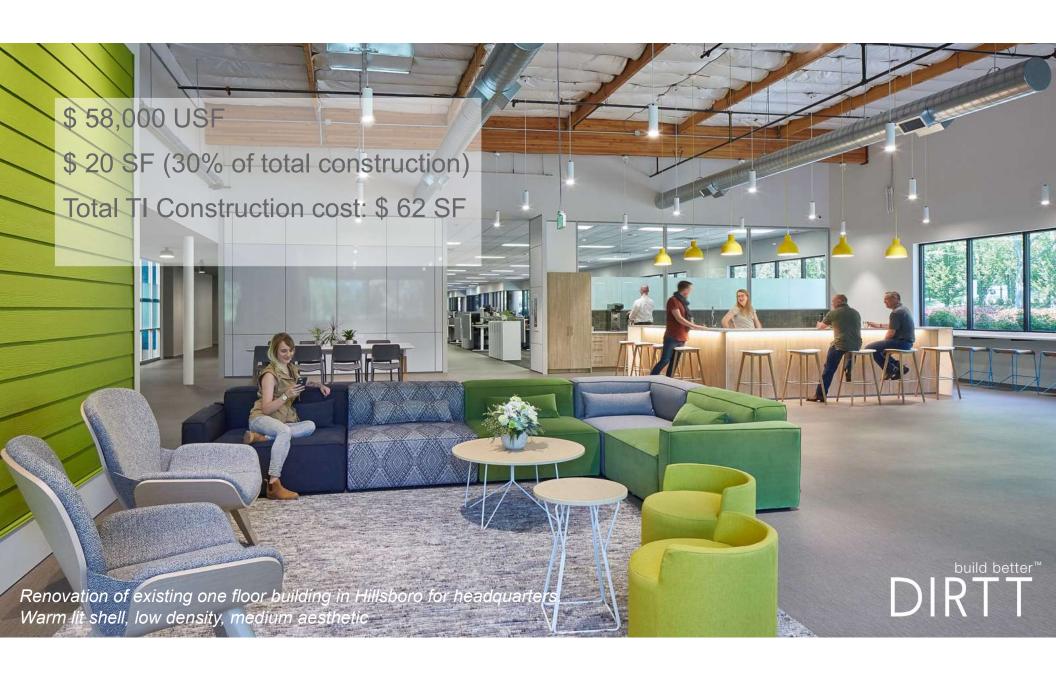


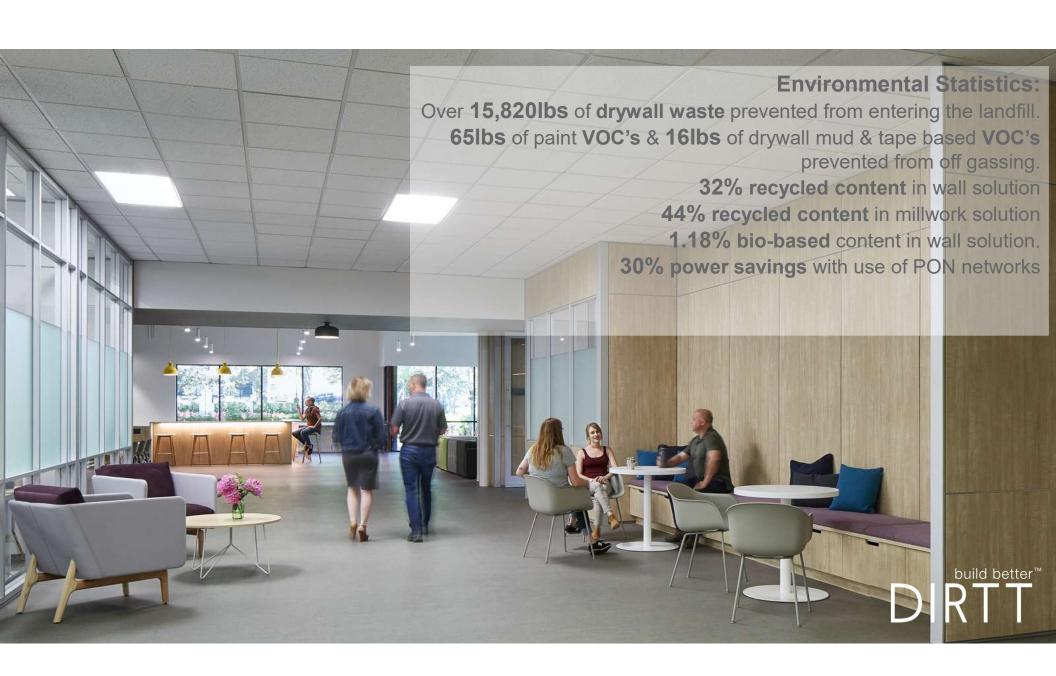
















# Thank You!

**DIRTT Environmental Solutions** 

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