



+8YFN

CONSTRUCTION TECH

A Day in a Life of Construction Business Owner



PATAI PADUNGTIN



TREA TALKS
REAL ESTATE 2017

URBAN TECH

PROPERTY
TECH

CONSTRUCTION
TECH

SMART CITIES
TECH

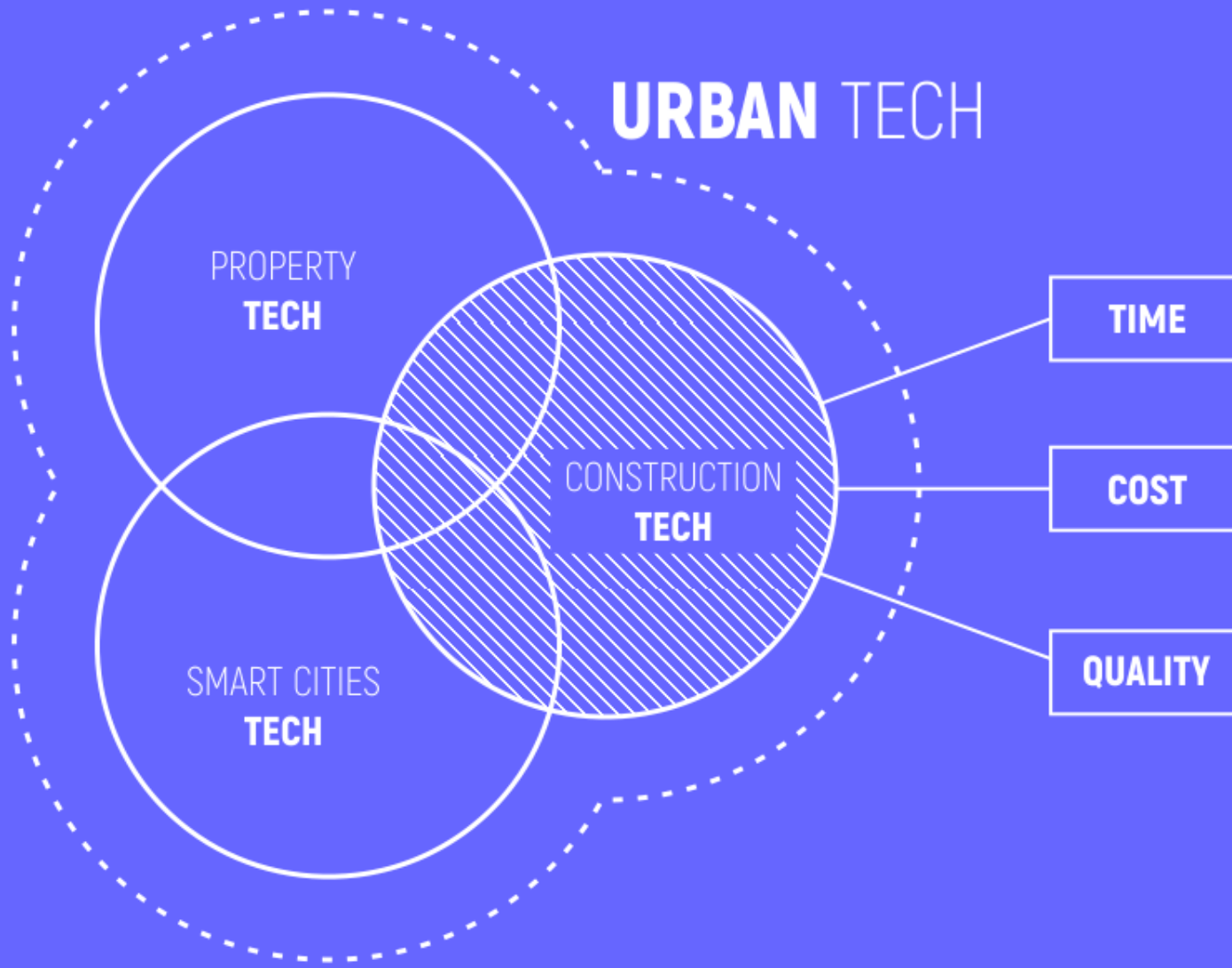
REAL ESTATE DEVELOPER
ARCHITECT / ENGINEER
CONTRACTOR
HOME BUILDER
BUILDING MATERIAL
MUNICIPAL GOVERNMENT
UTILITIES PROVIDER
TRANSPORTATION
PUBLIC SAFETY
EDUCATION
HEALTHCARE

QUALITY OF LIFE
HAPPINESS
SUSTAINABILITY



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REAL ESTATE 2017

URBAN TECH



Delayed

Large construction projects typically take 20% longer to finish.

Overbudget

80% of construction projects have cost overrunning.

Defects

a threat to the building's safety and can lead to the person or property damage.

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LOOKBACK 2009

FIRST SMART PHONE + EDGE



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TODAY 2017

INEFFICIENCY & HIGH RISK



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REAL ESTATE 2017



DISRUPT
— or —
Be Disrupted




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REAL ESTATE 2017

The construction industry is among the least digitized.

- McKinsey&Company

McKinsey Global Institute industry digitization index; 2015 or latest available data

Relatively low digitization  Relatively high digitization
● Digital leaders within relatively undigitized sectors



¹Based on a set of metrics to assess digitization of assets (8 metrics), usage (11 metrics), and labor (8 metrics).

²Information and communications technology.

Source: AppBrain; Bluewolf; Computer Economics; eMarketer; Gartner; IDC Research; LiveChat; US Bureau of Economic Analysis; US Bureau of Labor Statistics; US Census Bureau; McKinsey Global Institute analysis



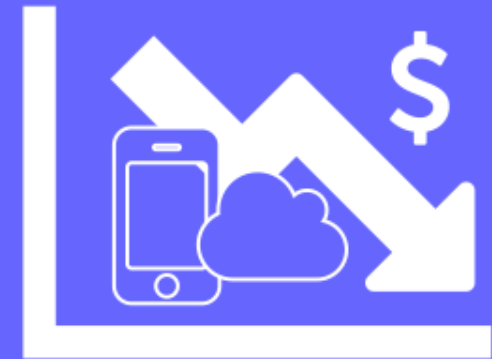
WHY CONSTRUCTION TECH NOW



Aging Workers /
Labor Shortage



Sustainability &
Environment



Cost Decline
in Technology



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REAL ESTATE 2017

IMAGINE 2025

WILL WE BE THE SAME?



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REAL ESTATE 2017



🕒 09.00 AM

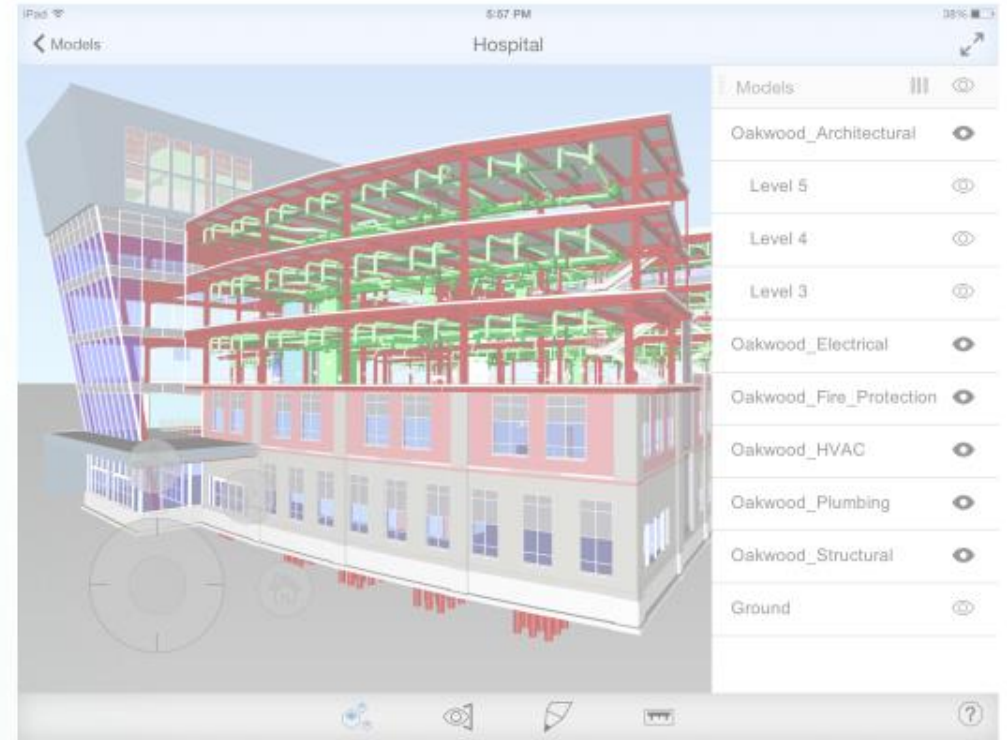
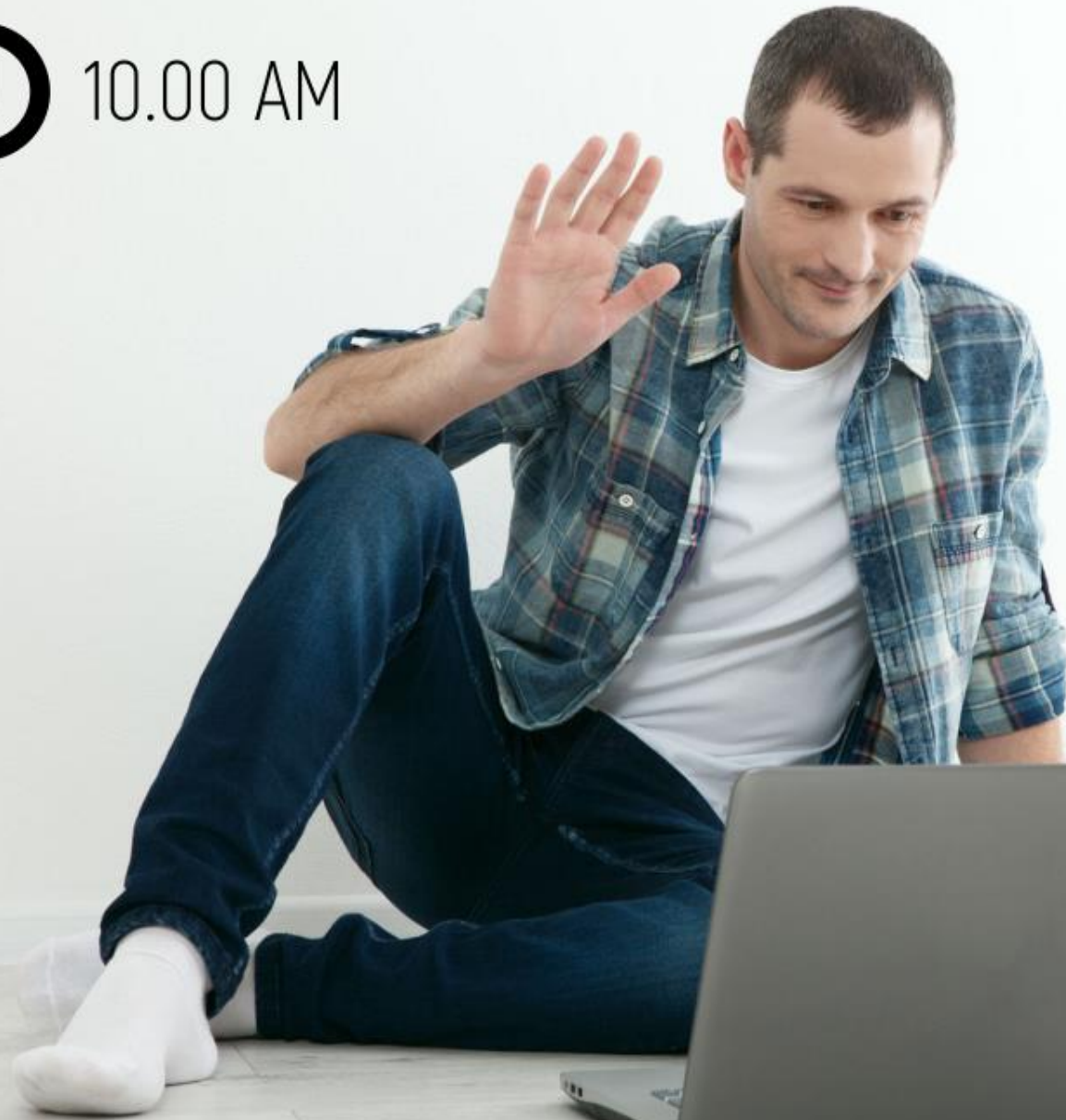


42 Precast Wall Segment arrived on site.
Received by Montri - 38 minutes



TREA TALKS
REAL ESTATE 2017

 10.00 AM



 **Video Call Meeting** with designers & PMC
Clash Detection on BIM • now

 **8 Purchase Orders** for ASHTEO Condo
waiting for your approval • 14 mins



11.30 AM



Sign Smart Contract for M&E subcontractor
powered by BlockChain · 7 minutes



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12.00 PM



Lunch with new potential customer at 5-star hotel - now



360° VR Tour to visit our finished projects - after lunch



01:30 PM



GrabDrone pilot arrived KMX factory site
Flight for Progress shots - Jul '25 - 18 mins



Video Call Site Weekly Meeting - KMX
with Project Manager & Engineers - now



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03.30 PM



2 Warranty Tickets on Kwanjai

ADEO Orange Line - click for more details



UberHeavy needs 1 Pc30 excavator near you
KOMATSU Smart Check-up (IIOT)



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05.00 PM



Review financial reports - Cashflow, P&L
Approve Payment



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06.00 PM



Take Highspeed Train to Khao Yai
BODYSLAM 25th Anniversary Concert 07.30 PM



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TODAY 2017

WHAT MAKE THIS FUTURE
NEVER COME



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CONSTRUCTION 4.0 - WE NEED TO CHANGE



FIXED MINDSET to
GROWTH MINDSET



TRADITIONAL SILOS/
LESS COLLABORATION to
PROJECT ALLIANCE



LEGAL FRAMEWORK
REGULATIONS AND
BUILDING CODES



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REAL ESTATE 2017

ATTRACT MORE TALENTS TO THE INDUSTRY IN 2025

Develop Young Generation
Construction Professionals

Pave the Way for
BRIGHTER FUTURE
In Construction Industry

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HOW DO YOU SEE YOURSELF 8 YEARS FROM NOW?

DESIGN YOUR OWN FUTURE

#TREATALKS2017

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REAL ESTATE 2017**