WEBINAR TITLE	**Implement Lean Processes by Streamlining Site and Office Collaboration**
PRESENTER	Tom Noctor - Team Lead, Strategic Product Consultants
ORGANISATION	Procore
DATE	20th January 2022

PROCORE®

Agenda

- Digital Construction Ecosystem
- Challenges for Construction Businesses Today
- Implementing Lean Processes via Platform Technology
- Importance of an open API

— Implement Lean Processes by Streamlining Site and Office Collaboration

Digital Construction Ecosystem

PROCORE®

Construction Ecosystem

- x Inconsistent user experiences
- x Disconnected workflows
- x Disconnected products
- x No analytics or search
- x No ecosystem
- x Siloed data

- + Flexible tools
- + Custom, connected workflows
- + Search across tools
- + Connected stakeholders
- + Complete ecosystem

Ecosystem Aligned to 8 Wastes

PROCORE®

— Implement Lean Processes by Streamlining Site and Office Collaboration

Challenges for Construction Business’s Today

PROCORE®

Key Challenges

- Waste/Rework
- Labour
- Materials
- Increased Complexity
- Large Amount of Project Stakeholders
- Solving Issues - One Software at a Time
- The Big Picture - No Roadmap on How to Solve Long Term Challenges

Catalysts Driving Technology Adoption

Increased speed & material shortages

~€€€€!!
BEIS - “The price of materials rose every month between Sep 2020 - Sep 2021

~74%
increase in spend on BIM technology by 2025

Labour shortage

~216,800
CITB estimate that 216,800 workers are needed by 2025 to meet demand

~52%
of rework caused by poor data and communication

Widespread mobile accessibility

~93%
of construction workers use smartphones every day

~62%
use a tablet every day

Collaboration & communication

Real-time project visibility

Streamlined workflow

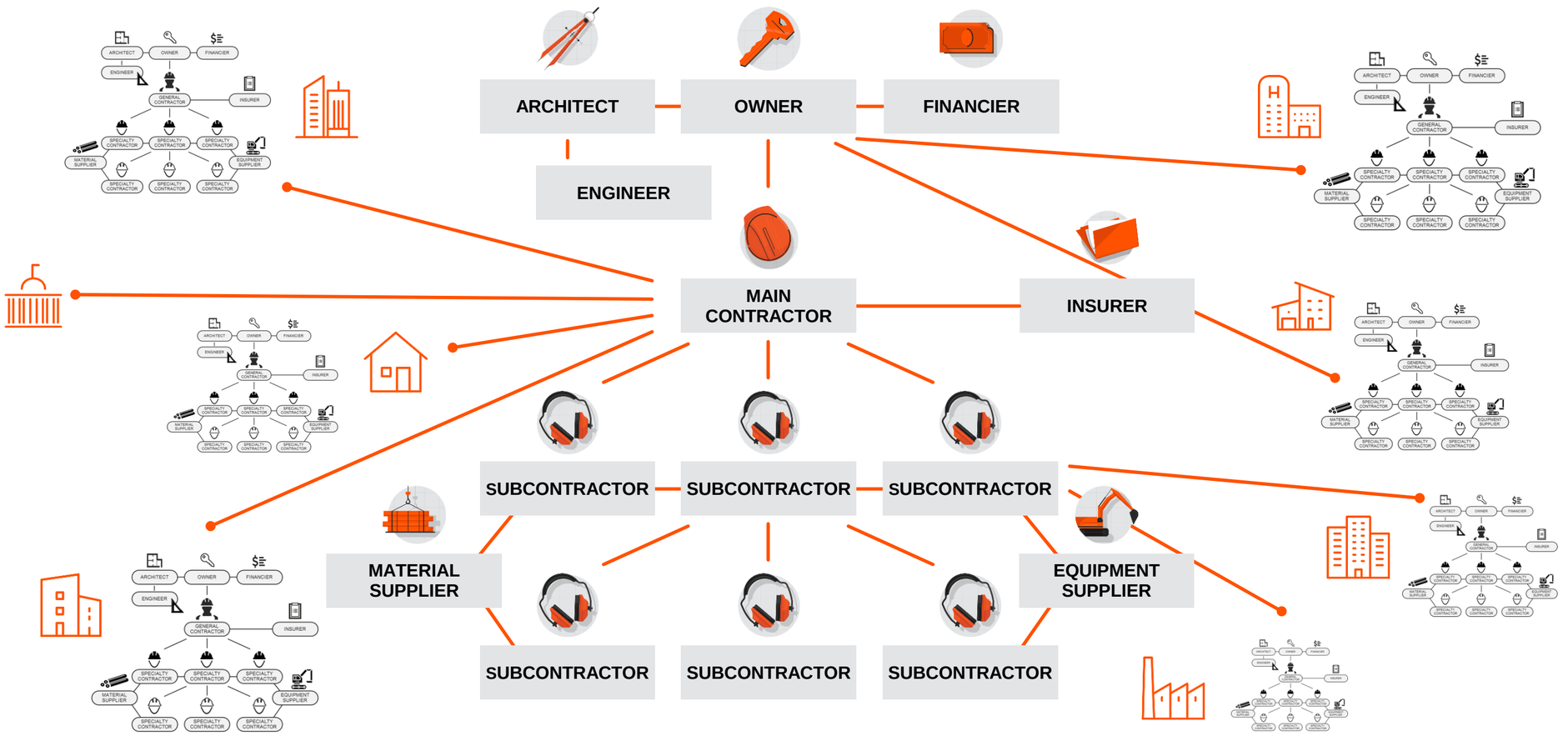
Single source of accurate data

Data shared & captured in the field

PROCORE®

Source: JBKnowledge (2018), USG Corporation and U.S. Chamber of Commerce (2019), U.S. Bureau of Labor Statistics (2019), McKinsey Global Institute (2019), FMI Industry Report: Construction Disconnected (2018), Design Build Market Utilization (2018), Orbis Research

Construction is increasingly complex.



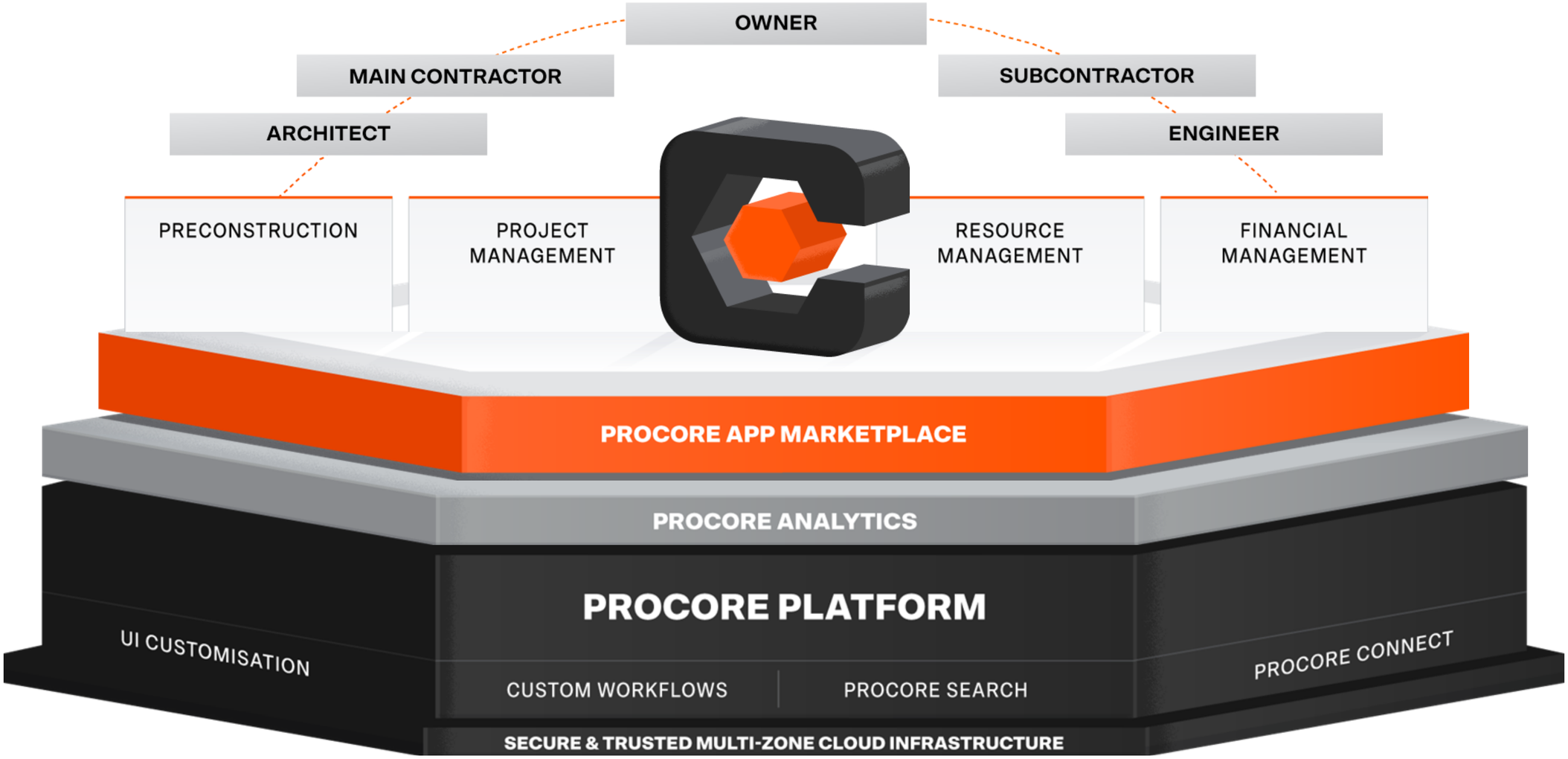
- **Custom/ Prototype Business**
- **Complex Stakeholder Dynamics**
- **Mobile and Decentralised Workforce**
- **Constant Change**

— Implement Lean Processes by Streamlining Site and Office Collaboration

Implementing Lean Processes via Platform Technology

PROCORE®

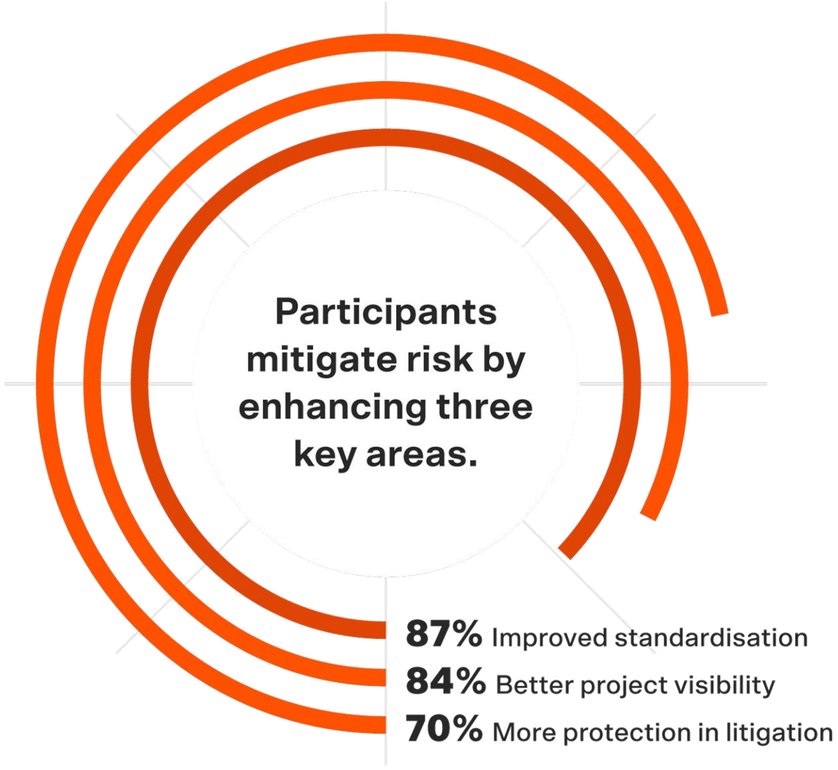
Connect Everyone Across Your Projects on a Single Platform



PROCORE®

Manage More Work With One Construction Platform

REDUCE RISK:

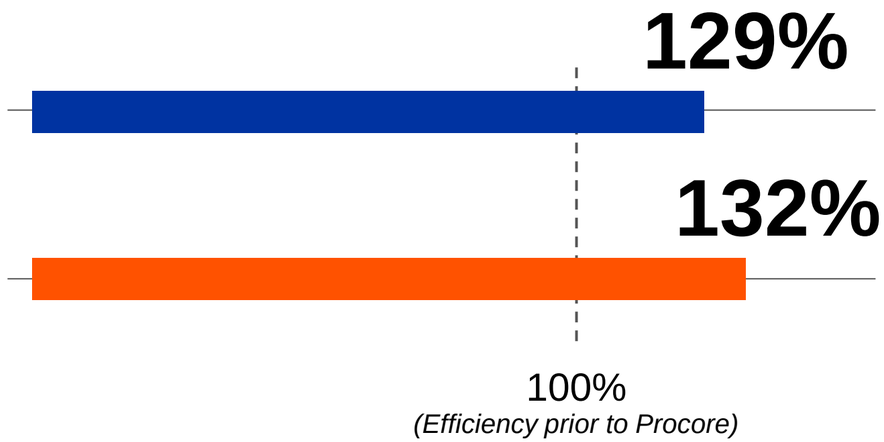


MANAGE 29% MORE
Capital Projects/Assets

Surveyed: Owners

MANAGE 32% MORE
Construction Volume

Surveyed: Contractors



HOURS SAVED:

12.0 hours/week

Site Managers
Project managers
Project engineers

PROCORE®

Implementing Lean Processes via a Platform

Understand the challenges - Software to aid.

Start with the end in mind (5 - 10 year vision and strategy)

Develop a Roadmap

Incorporate all key departments

Data,Data,Data

Open API

— Implement Lean Processes by Streamlining Site and Office Collaboration

Importance of an open API

PROCORE®

Analytics & Insights

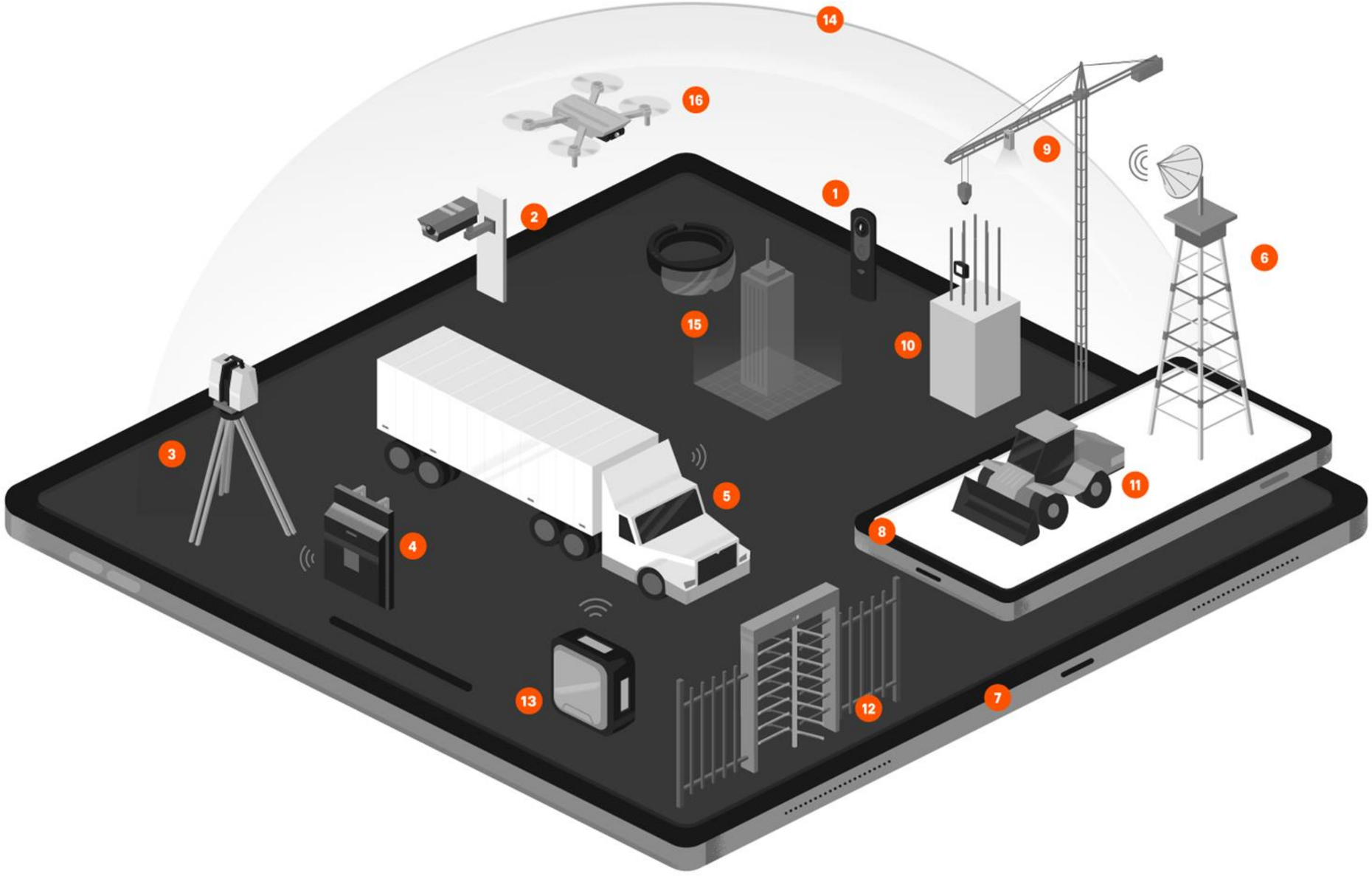
Understand and inform decision making

+ Extract Data
+ Visualise Performance
+ Gain Insights
+ Drive Accountability

PROCORE®

Internet of Things

1. 360 Cameras
2. Site Cameras
3. Laser Scanners
4. Human Trackers
5. Vehicle Trackers
6. Tool Tracking
7. Tablets
8. Mobile Devices
9. Crane Camera
10. Concrete Sensors
11. Autonomous Equipment
12. Access Control Gates
13. Site Wifi
14. 5G Coverage
15. HoloLens
16. Drones



THANK YOU
to the people behind
every great project.
BW
WORKPLACE EXPERTS
MONAMI
CONSTRUCTION LTD
PROCORE®

PROCORE®

LEAN
CONSTRUCTION
IRELAND
LCi
BETTER, FASTER, TOGETHER