

BIM VACCINE FOR COVID CONSTRUCTION



co//aborative





Tablets

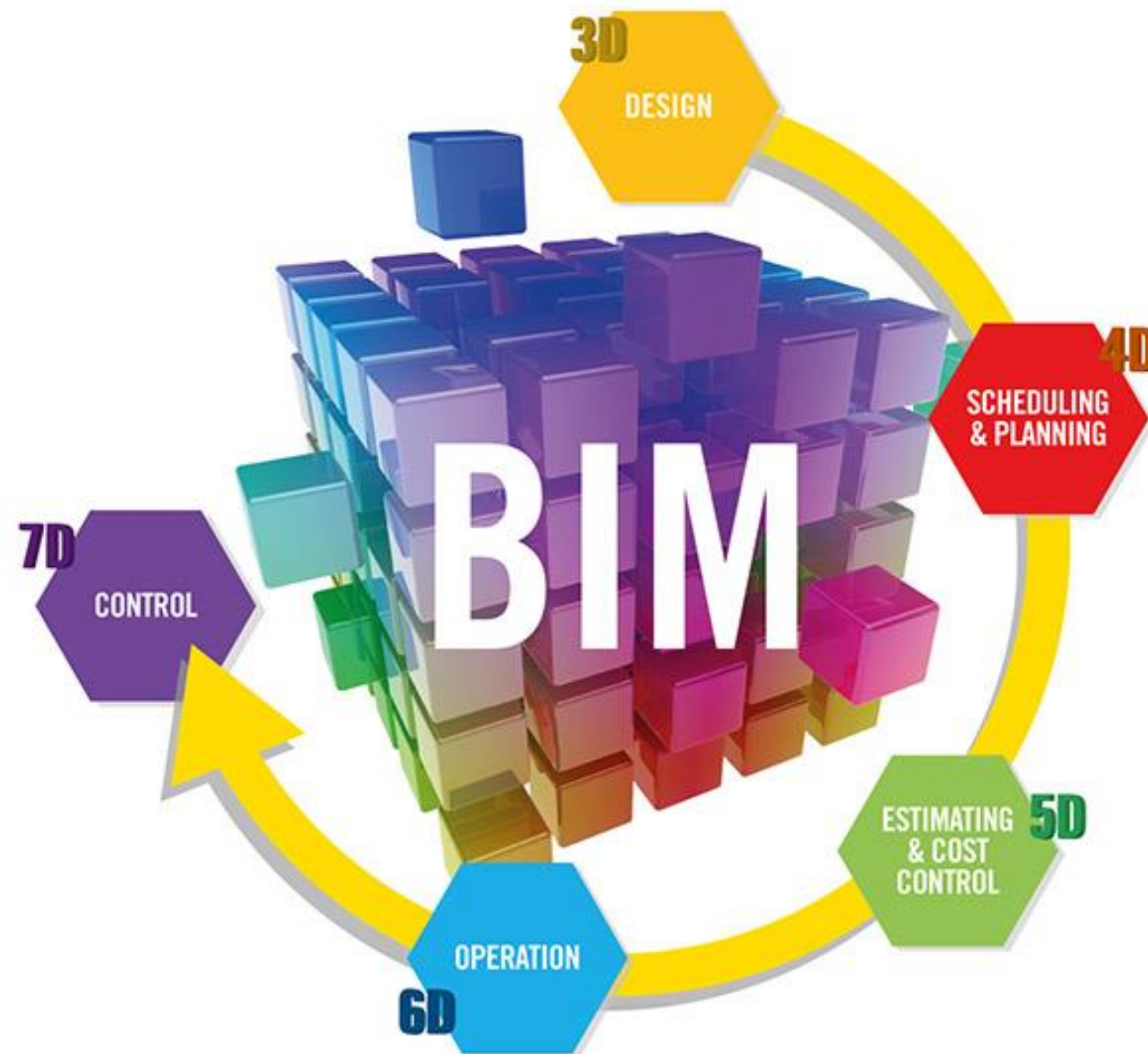
Web Meetings

Building Information Modeling

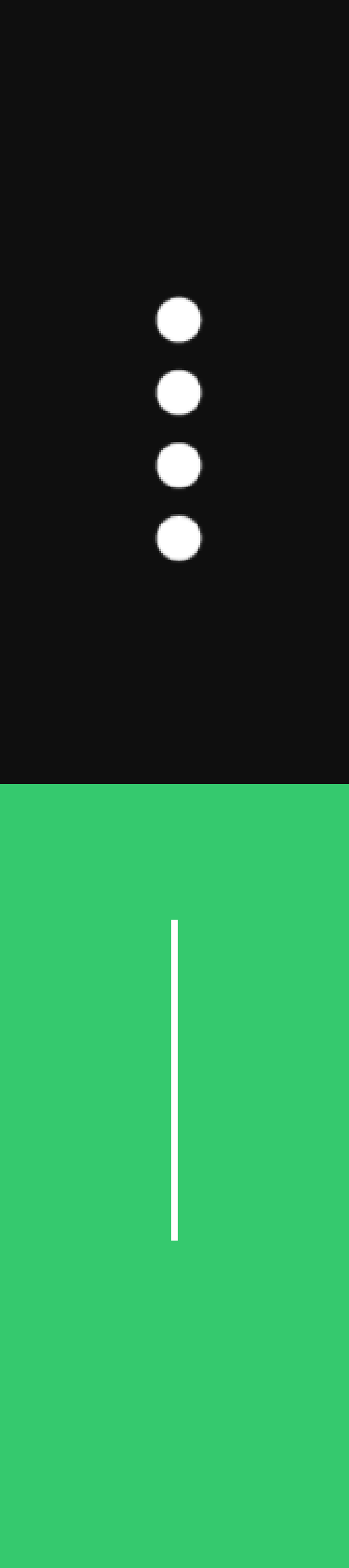
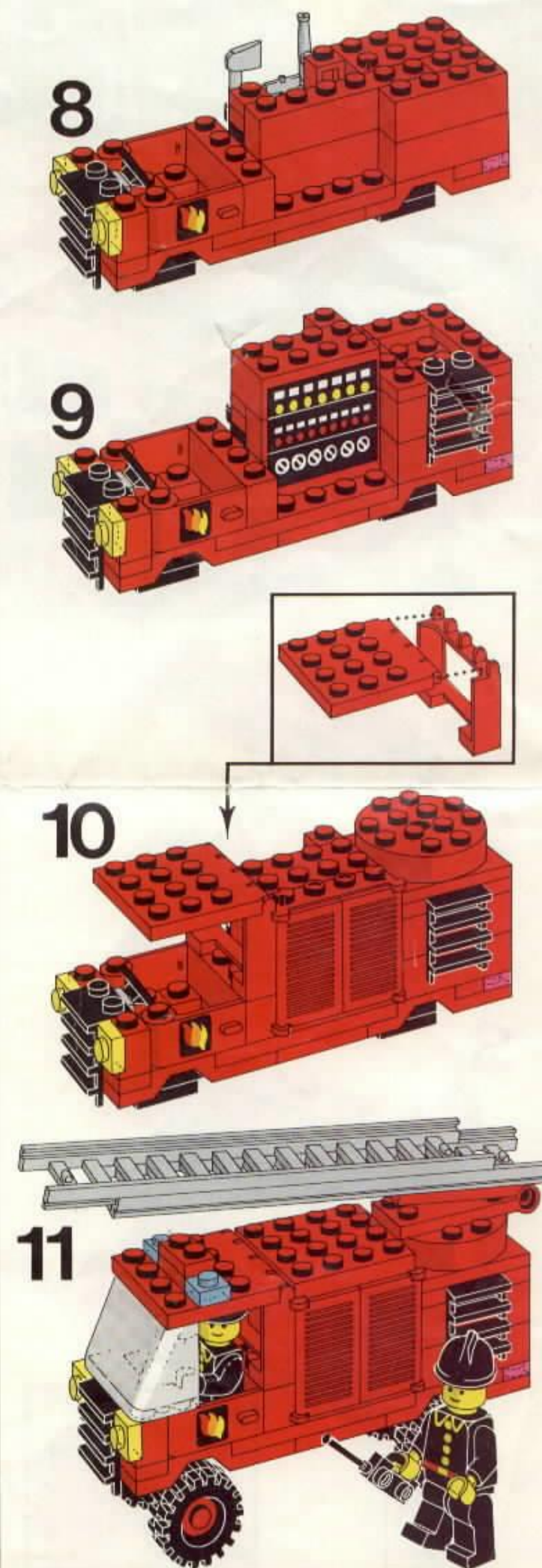
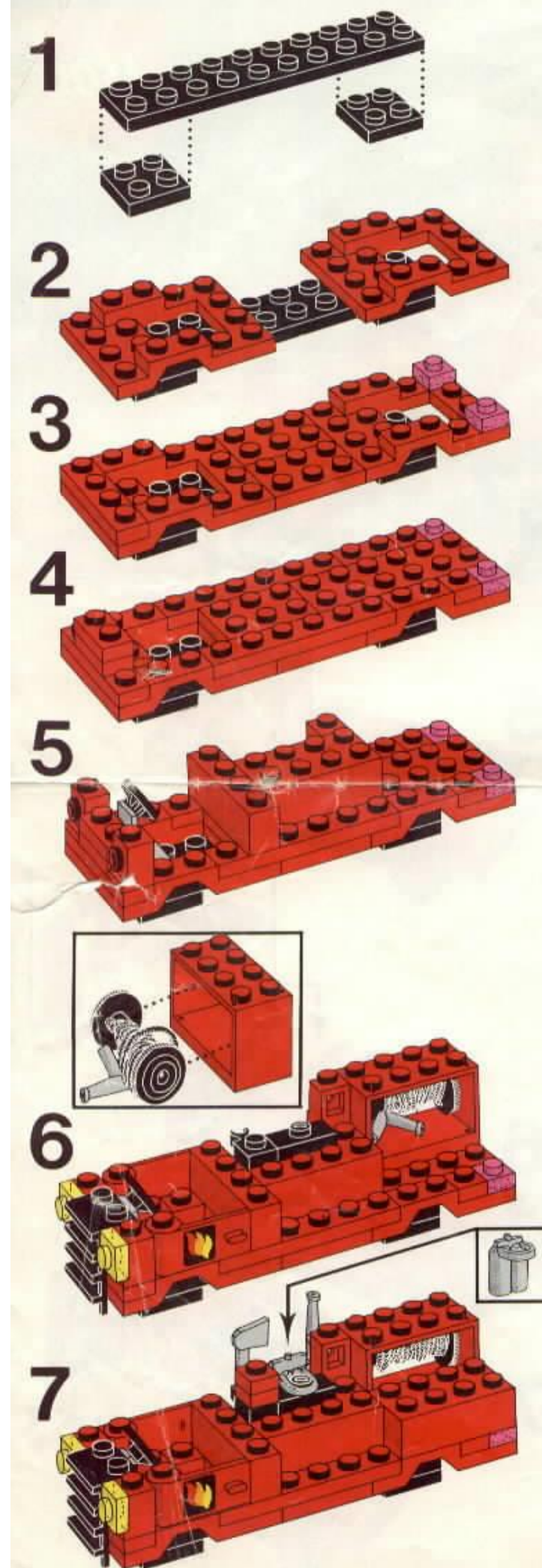
Virtual Reality Tools

EXISTING
TECHNOLOGIES

EXISTING TECHNOLOGY



BIM is an existing technology that has been producing amazing results in the construction industry AND NOW, due to NEW challenges, it has become even more relevant.







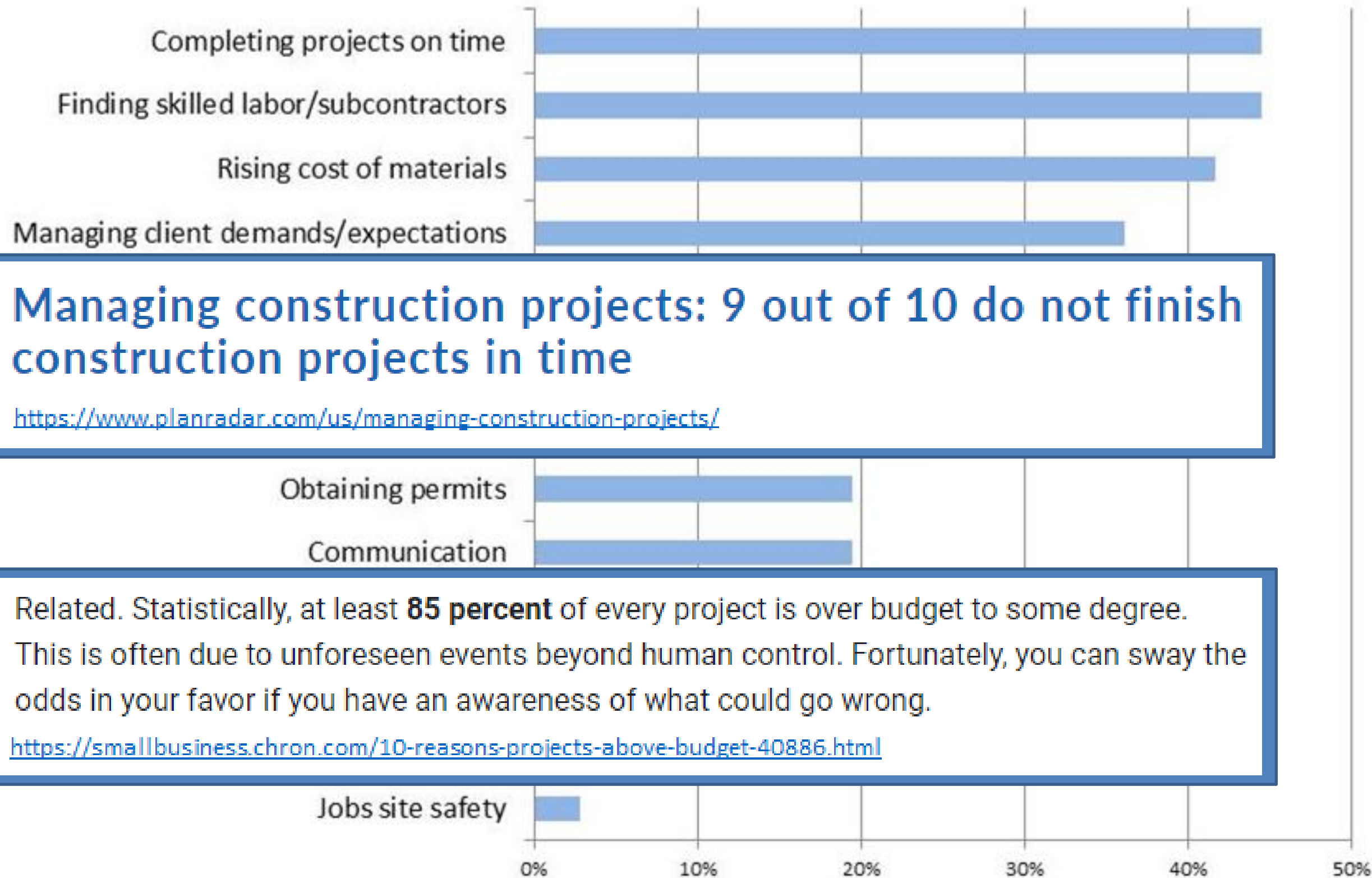
NOW BIM TECHNOLOGY HAS BECOME
ONE OF THE MAIN PILLARS FOR
SUCCESSFUL CONSTRUCTION
PROJECTS



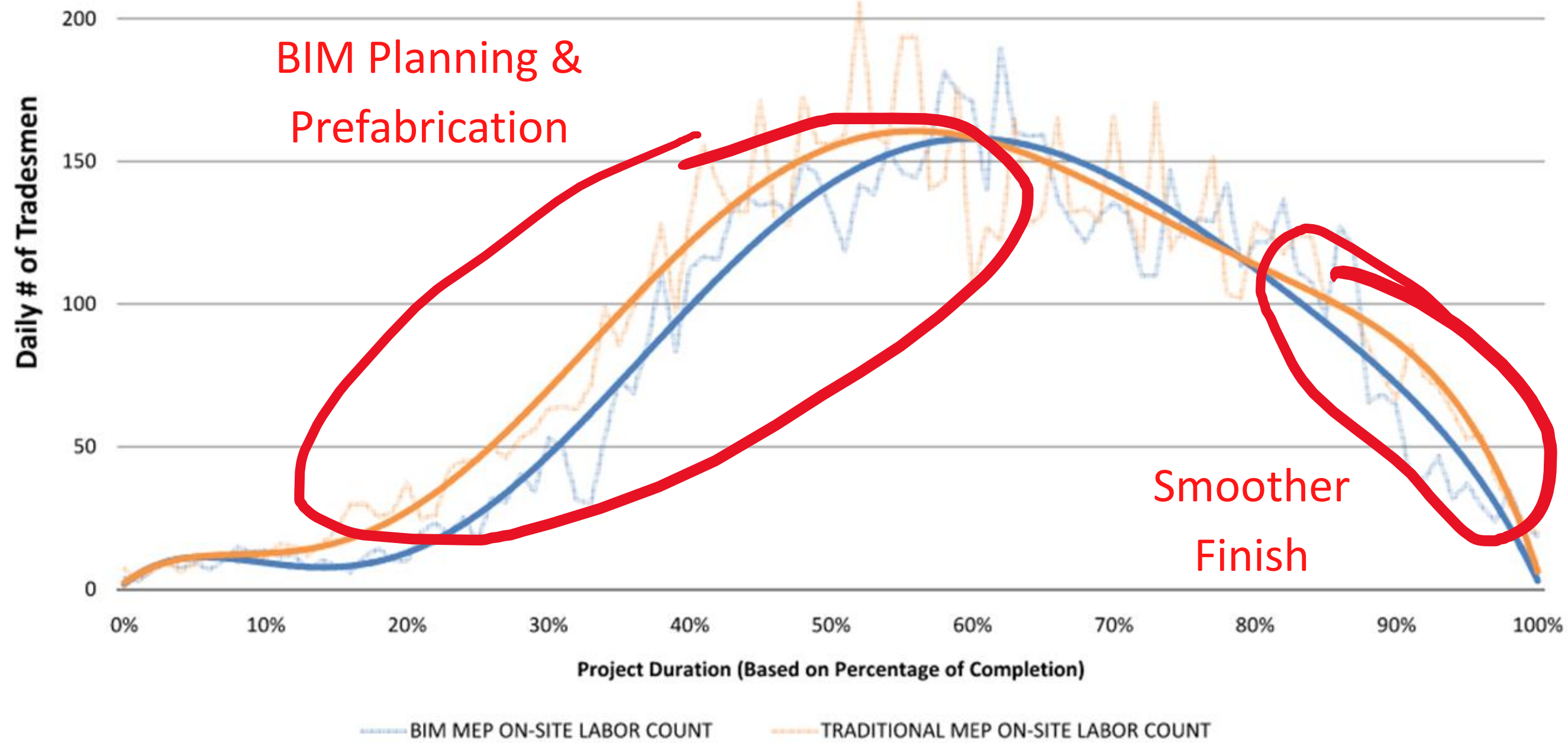


CONSTRUCTION
ENTRANCE

TEMPORARILY
CLOSED
DUE TO
COVID-19



CONSTRUCTION INDUSTRY CHALLENGES 2020



MEP TRADE
MANPOWER



IM & LEGO

Keep it Simple

Reference Often

Leverage on Jobsite



Work closely with the CM team

Challenges

Contractors involvement

The details blow up design plans

No thoughts on the bathrooms

Laser Scanned the whole building

Finding the Common Starting Point

Pre-fabricate with confidence

CASE STUDY 1

HOTEL EDDYSTONE



- ✓ ☒ Navigated uncertainty of COVID-19 Jobsite Conditions
- ✓ ☒ Introduced a Construction Manager to BIM
- ✓ ☒ Showed the value of BIM
- ✓ ☒ Helped Contractors identify Prefabrication Opportunities

RECAP HOTEL EDDYSTONE



"With the application of BIM, we were able to 'begin' construction on the project in the middle of uncertain Covid issues"

Conor Dare
Project Manager



O'BRIEN
CONSTRUCTION COMPANY, INC.

TOP
5



Construction in the middle of Covid-19 with world travelers in close proximity

Incorporated Laser Scanning to limit companies' trips to the jobsite

Able to coordinate while companies were sorting out Covid issues

CASE STUDY 2

CHICAGO O'HARE AIRPORT TSA CHECKPOINT





- ✓ ☒ Avoided exposing people to Covid
- ✓ ☒ Used Laser Scanning to minimize traveling to jobsite
- ✓ ☒ Minimized business disruption during construction.

RECAP CHICAGO O'HARE AIRPORT TSA CHECKPOINT



"BIM brought so many benefits to our team, it allowed us to work from home while having real field data to trust without having to leave the safety of our homes."

DJ Vizza
Project Manager





If you already have a great BIM practice, then
you were ready to handle anything

When Covid-19, our electrical customer was
able to prefabricate at their shop while other
trades were at a stand still.

When they were allowed back on site, they
were 4 months ahead of the other trades.



CASE STUDY 3

100 GRAND AVENUE



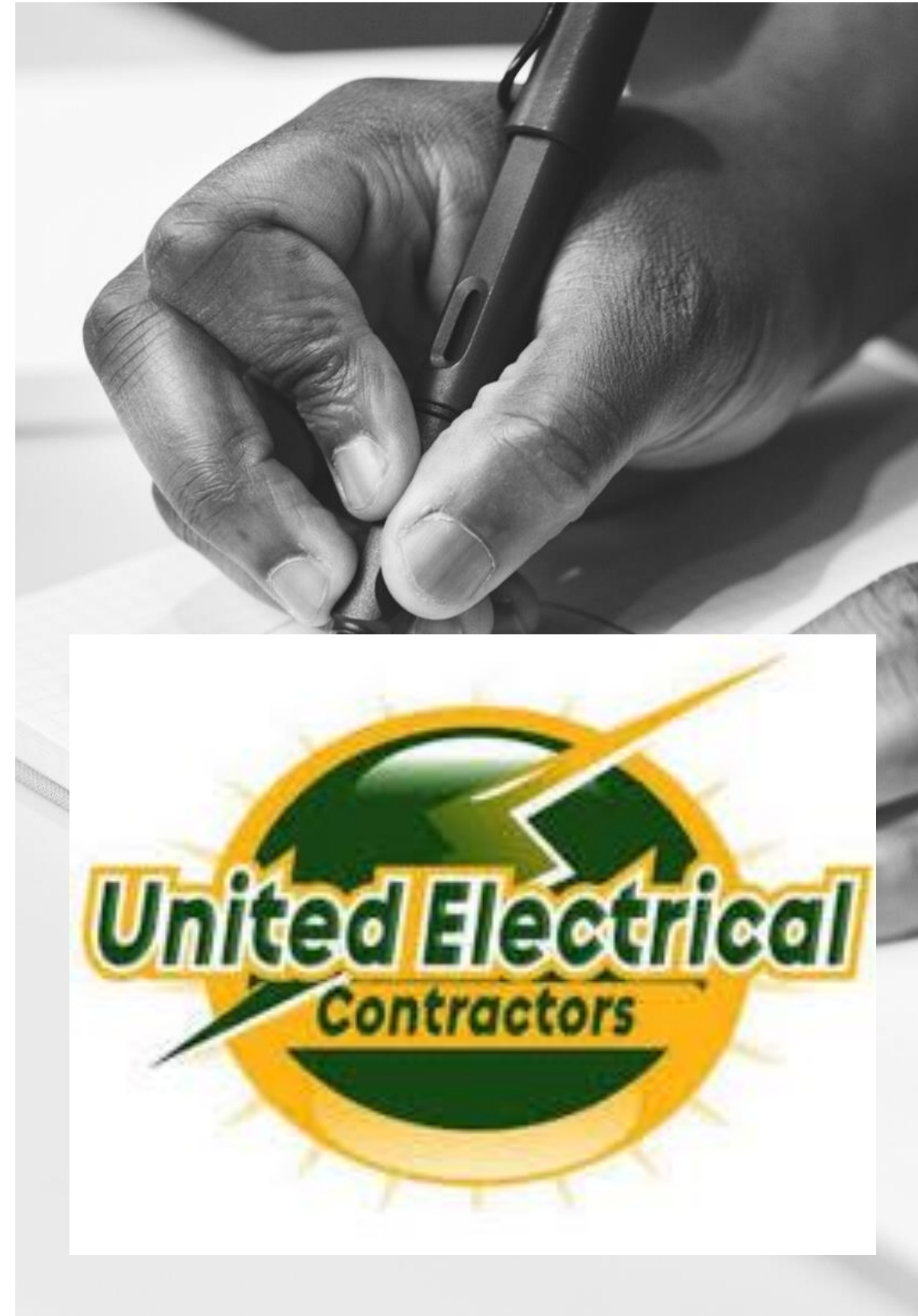
- ✓ ☐ Electrical contractor was 7 weeks ahead of schedule
- ✓ ☐ Prefabricated most of the electrical components
- ✓ ☐ Huge labor saving onsite.
- ✓ ☐ Reduced potential rework onsite.

RECAP

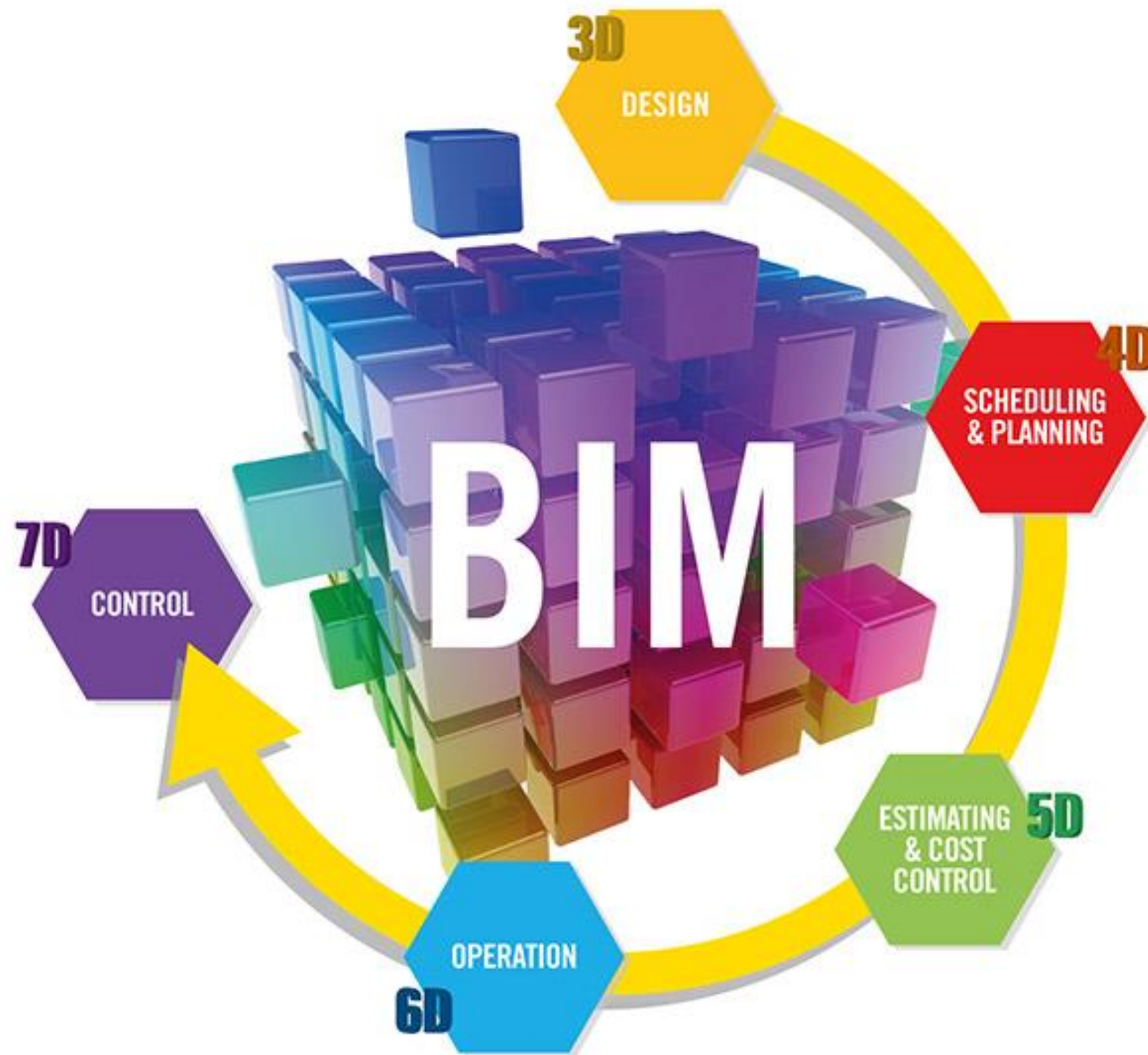
100 GRAND AVENUE

"We went from facing mandatory overtime to being 7 weeks ahead of schedule because of the BIM process."

Josh Storm
Project Superintendent



ADDITIONAL APPLICATIONS



3D Design

4D Scheduling & Planning

5D Estimating & Cost Control

6D Operations

7D Controls

THANK YOU!

BIM RISK ANALYSIS



\$5,000 value FREE for attending

Use BIM to access project risk

Schedule, Budget or Quality?

Every Project is Different

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