

The Future of Construction

The Digital Opportunity

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“It is not the strongest of species that survives, nor the most intelligent that survives.

It is the one that is most adaptable to change

- *Charles Darwin*

An aerial photograph of a construction site, heavily tinted with a blue color. The image shows a large area of excavation and construction activity. In the center, there's a large pile of construction materials, possibly bricks or blocks, arranged in a grid-like pattern. To the left, there are several white vehicles, possibly trucks or vans, parked. In the foreground, there are several rectangular structures, likely foundations or early-stage buildings, with some construction equipment visible inside them. The overall scene depicts a large-scale construction project in progress.

Are you ready to
change?

An aerial photograph of a construction site, heavily tinted with a blue color. In the center, there is a large, disorganized pile of light-colored bricks or blocks. Surrounding this central area are several rectangular building footprints, some of which appear to be under construction or recently completed. To the left, there are more construction materials and what looks like a crane. To the right, there's a parking lot with several cars parked. The overall scene suggests a large-scale urban development or reconstruction project.

Are we ready to
change?



9,800,000,000



13,000



200,000

A low-angle, upward-looking photograph of several modern skyscrapers. The buildings feature glass facades and some have unique architectural details like curved tops or grid-like patterns. A small airplane is visible in the clear blue sky between the buildings. The overall color palette is dominated by blues and greys, with a warm brownish-gold accent on one building's facade.

464%





1%

Global Construction

3.6%

Manufacturing

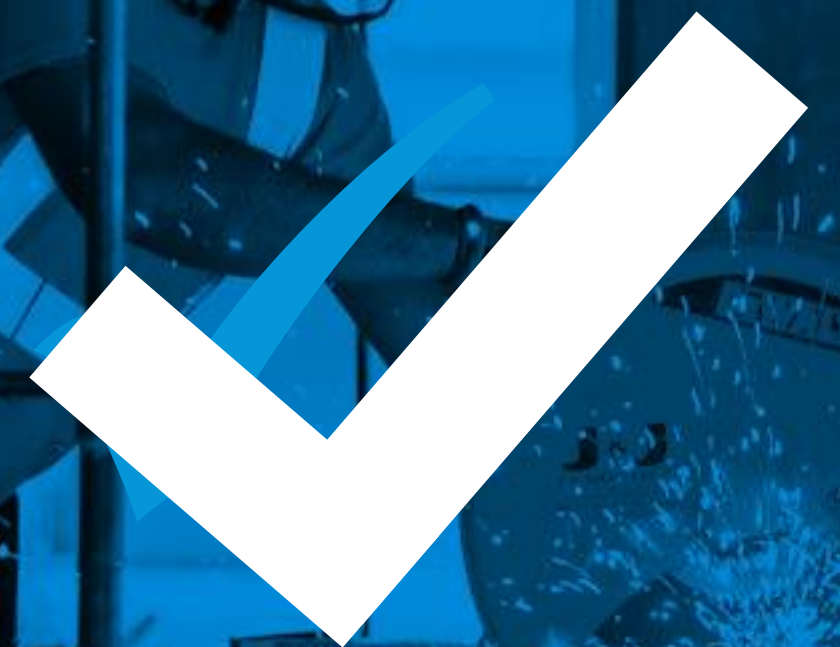




Increase Revenue



Reduce Cost



Minimise Risk / Compliance



Value Drivers of Construction

What levers can you pull to affect your business metrics?

Quality

Schedule

Cost

Safety

Winning
Business



Reduce rework during
construction

Reduce defects at
handover

Quality

Reduce # of constructability
issues reaching site

Improve the Handover
Experience

Understanding the value chain

VALUE DRIVER



OUTCOME



CAPABILITY



WORKFLOW



PRODUCT

Understanding the value chain

QUALITY



Reducing defects at handover



Quality Management



Quality Checking



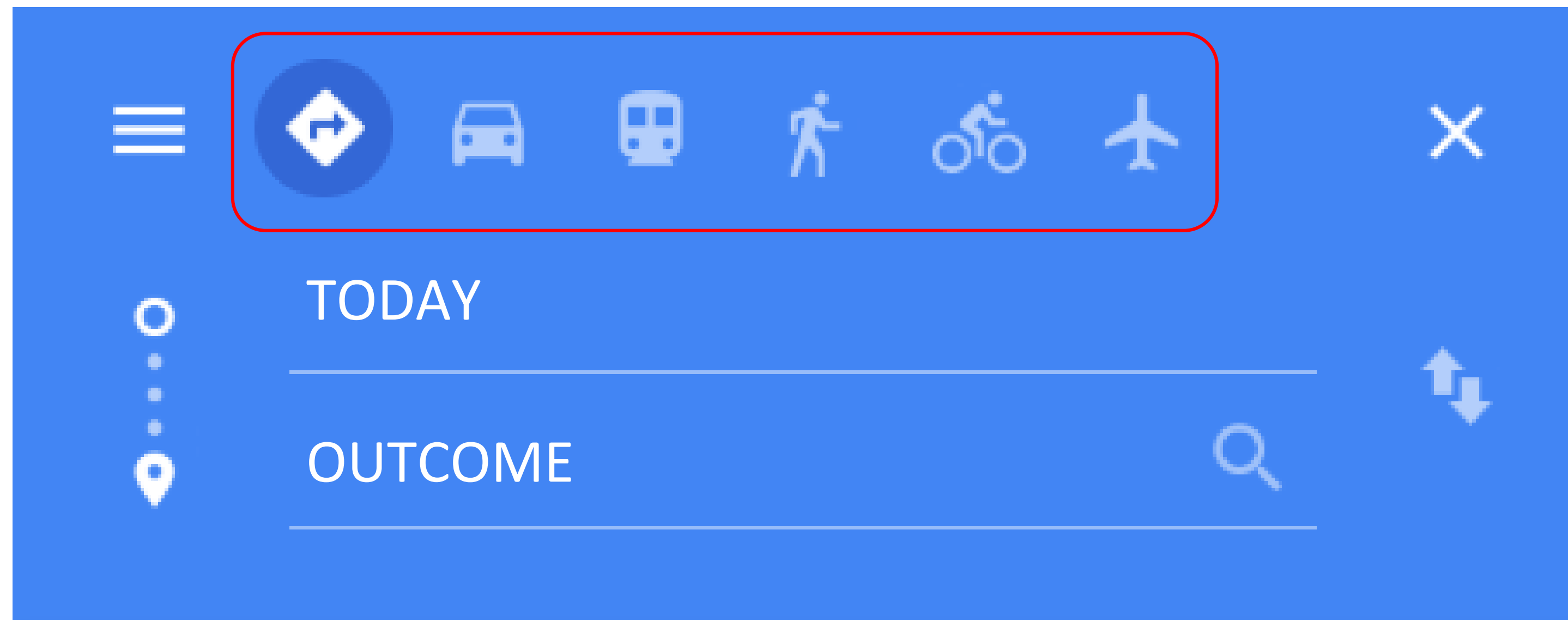
BIM 360 Build / PlanGrid

A



B







DIGITISE





DIGITISE

INTEGRATE



DIGITISE

INTEGRATE

PREDICT



Autodesk Construction Solutions

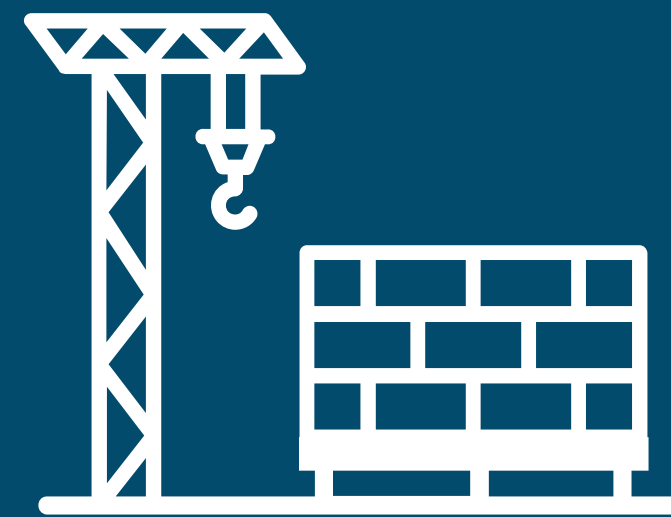
Deliver a comprehensive, integrated platform that seamlessly connects the office, the site cabin, and the field.



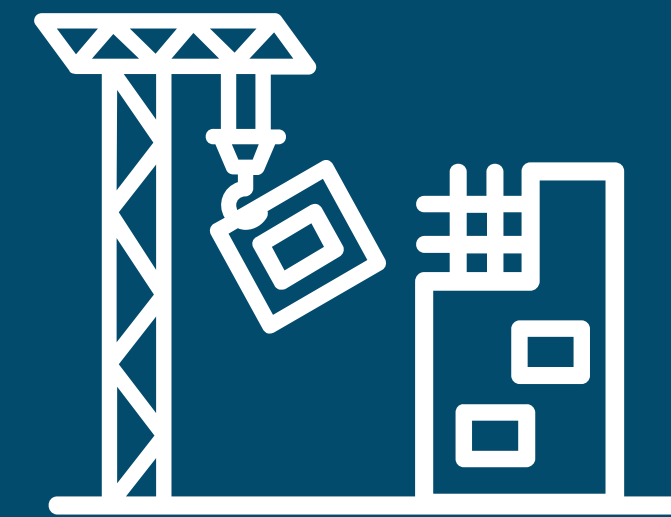
DESIGN



DESIGN
COLLABORATION



PRECONSTRUCTION



CONSTRUCTION



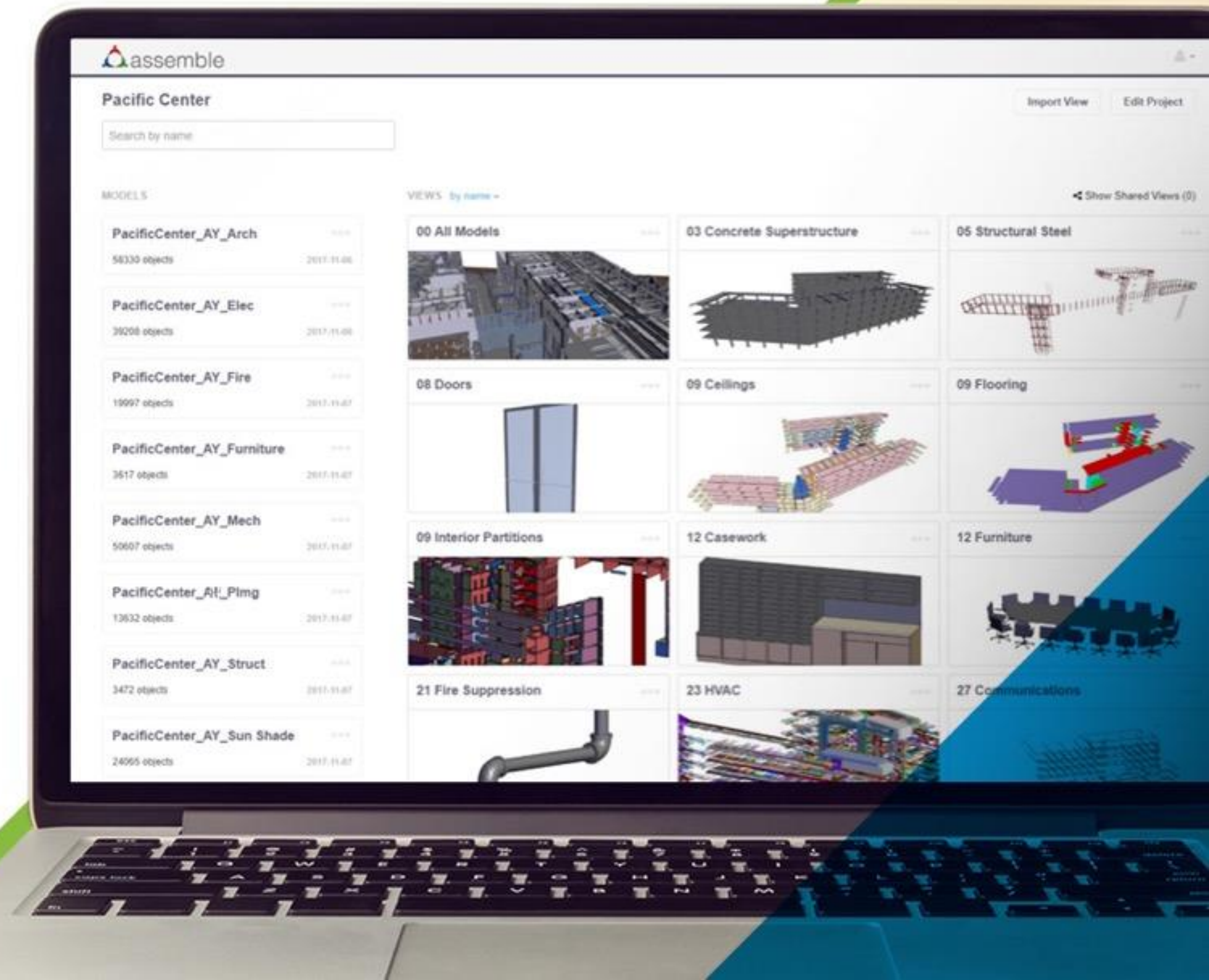
TURNOVER &
OPERATIONS



 assemble

 PlanGrid

 BUILDINGCONNECTED





PlanGrid





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201 Spear 2nd and 13th Floor

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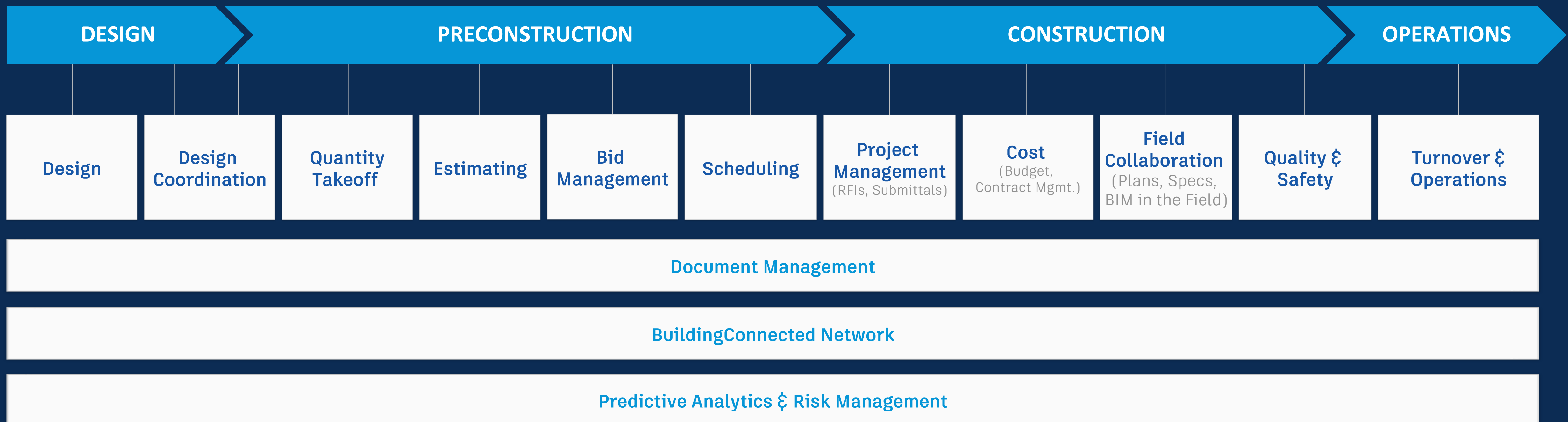
<input type="checkbox"/>	Lead	Code	Name	Bids Due	Companies	Viewed	Bidding	Bids	Estimated Cost	Soft Awarded Company
<input type="checkbox"/>		01100	Expansion Joints	02/17/17 12:00PM PST	9	6	3	2	\$125,000	Reliant Com...
<input type="checkbox"/>		01200	Concrete	02/17/17 12:00PM PST	6	4	4	3	\$165,500	Level bids >
<input type="checkbox"/>		02211	Demolition	02/17/17 12:00PM PST	7	7	4	3	\$201,000	Mack Brothers
<input type="checkbox"/>		01300	Metal Fabrication	02/17/17 12:00PM PST	12	4	3	2	\$180,000	Initech Steel
<input type="checkbox"/>		11200	Glass & Glazing <small>Not published</small>	02/17/17 12:00PM PST	—	—	—	—	\$19,800	no bids
<input type="checkbox"/>		04410	Waterproofing	02/17/17 12:00PM PST	11	9	7	2	\$39,600	Everest Wate...
<input type="checkbox"/>		06100	Unit Masonry	02/17/17 12:00PM PST	8	2	2	1	\$52,200	Level bids >
Total					62	37	26	16	\$783,100	



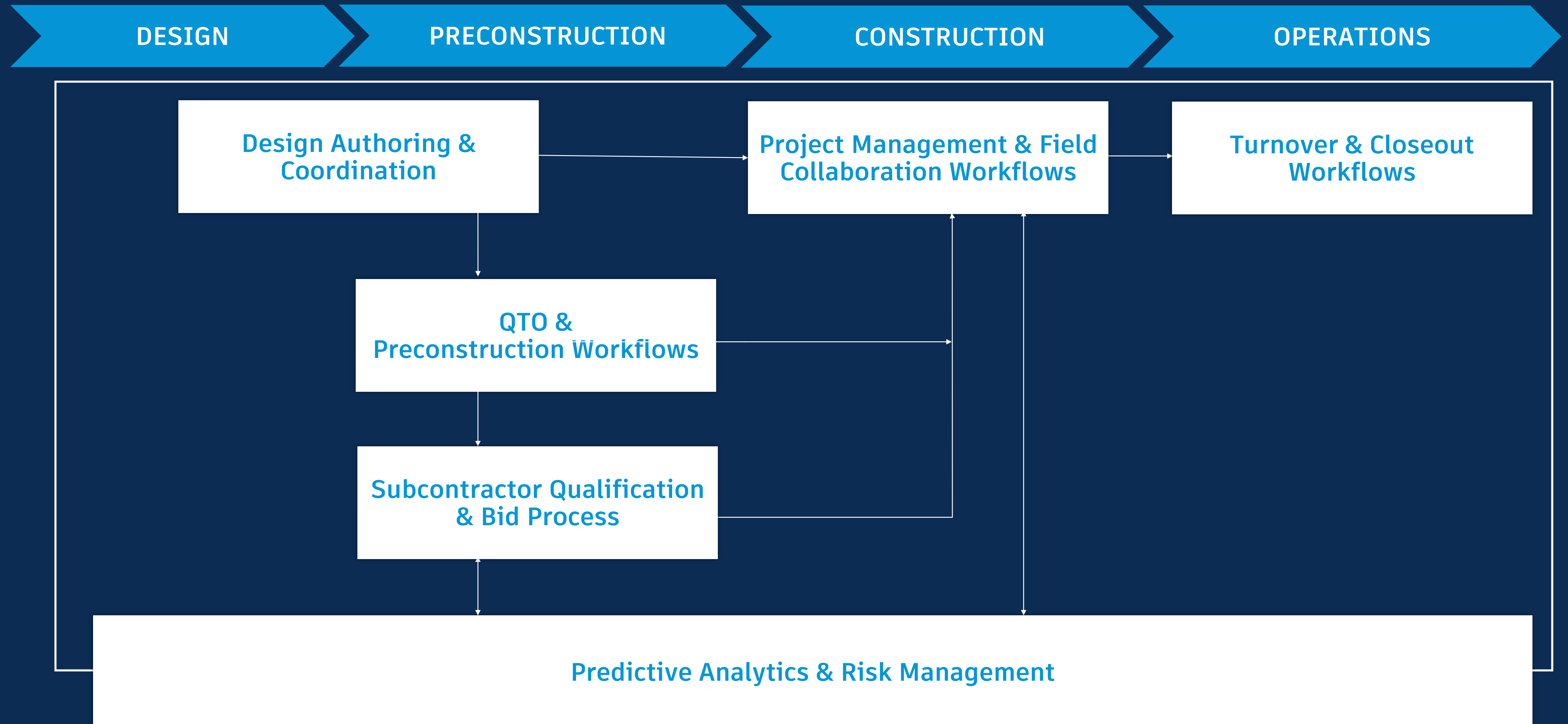
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BIM 360™

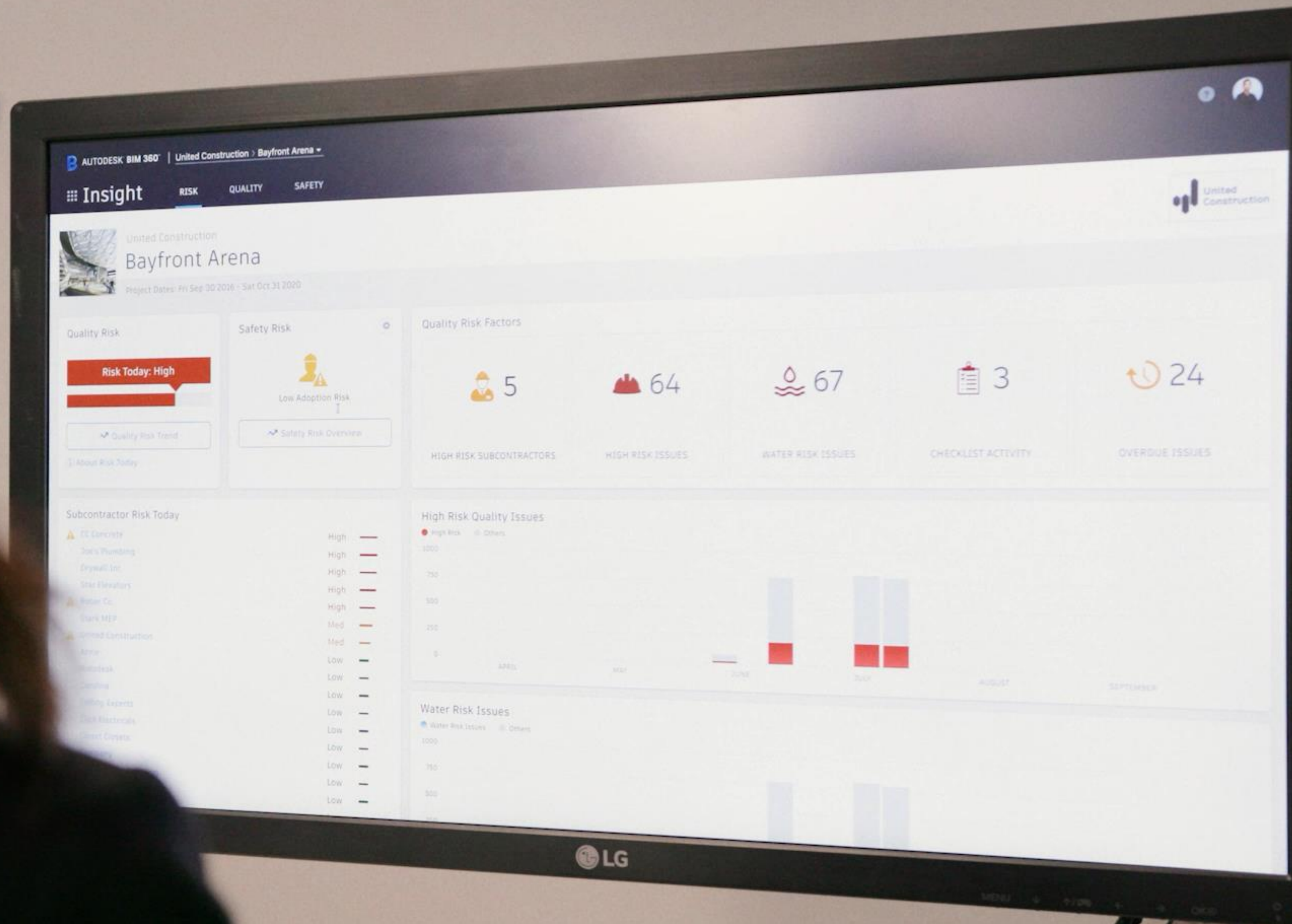


Autodesk Construction Portfolio



Connected Construction Workflows





An aerial photograph of a construction site, heavily tinted with a blue color. In the center, there is a large, disorganized pile of construction materials, including what appears to be bricks or blocks. Surrounding this central area are several rectangular building footprints, some of which are partially completed. To the left, a tall building is under construction, showing its skeletal frame. To the right, there's a parking lot with several cars parked. The overall scene depicts a busy construction area in an urban setting.

Technology is Ready.

An aerial photograph of a large-scale construction project, overlaid with a blue tint. The central focus is a massive, disorganized pile of construction materials, including numerous concrete blocks and bricks. To the left, a tall building is under construction, with its skeletal frame visible. In the foreground, three distinct building footprints are shown, each containing various construction elements like rebar, formwork, and equipment. To the right, a completed parking lot with several cars is visible, along with a finished section of a building. The overall scene depicts a busy, active construction site.

Autodesk is Ready.

An aerial photograph of a construction site, heavily tinted with a blue color. The image shows a large area of excavation and construction. In the center, there is a large pile of construction materials, possibly bricks or blocks, arranged in a grid-like pattern. To the left, there are several white vehicles, possibly trucks or vans, parked in a row. In the foreground, there are three large, rectangular concrete structures, possibly foundations or walls, with some construction equipment and materials around them. The background shows more construction activity and some trees. The overall scene is one of active construction.

You are Ready.



Let's Build the
Future, Together



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