



2025

SMACNA ANNUAL CONVENTION

*Maui, Hawaii*

OCTOBER 26-29

# The Future of Construction:

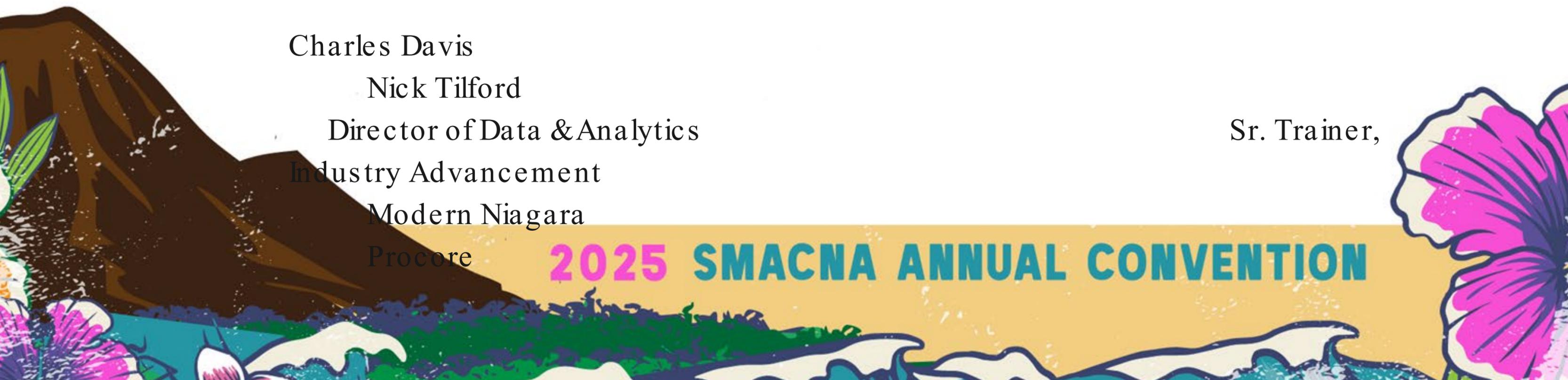
## Bold Ideas & Early Wins



Charles Davis  
Nick Tilford  
Director of Data & Analytics  
Industry Advancement  
Modern Niagara  
Procure

Sr. Trainer,

**2025 SMACNA ANNUAL CONVENTION**



# The Future of...



01 Productivity



02 Workforce



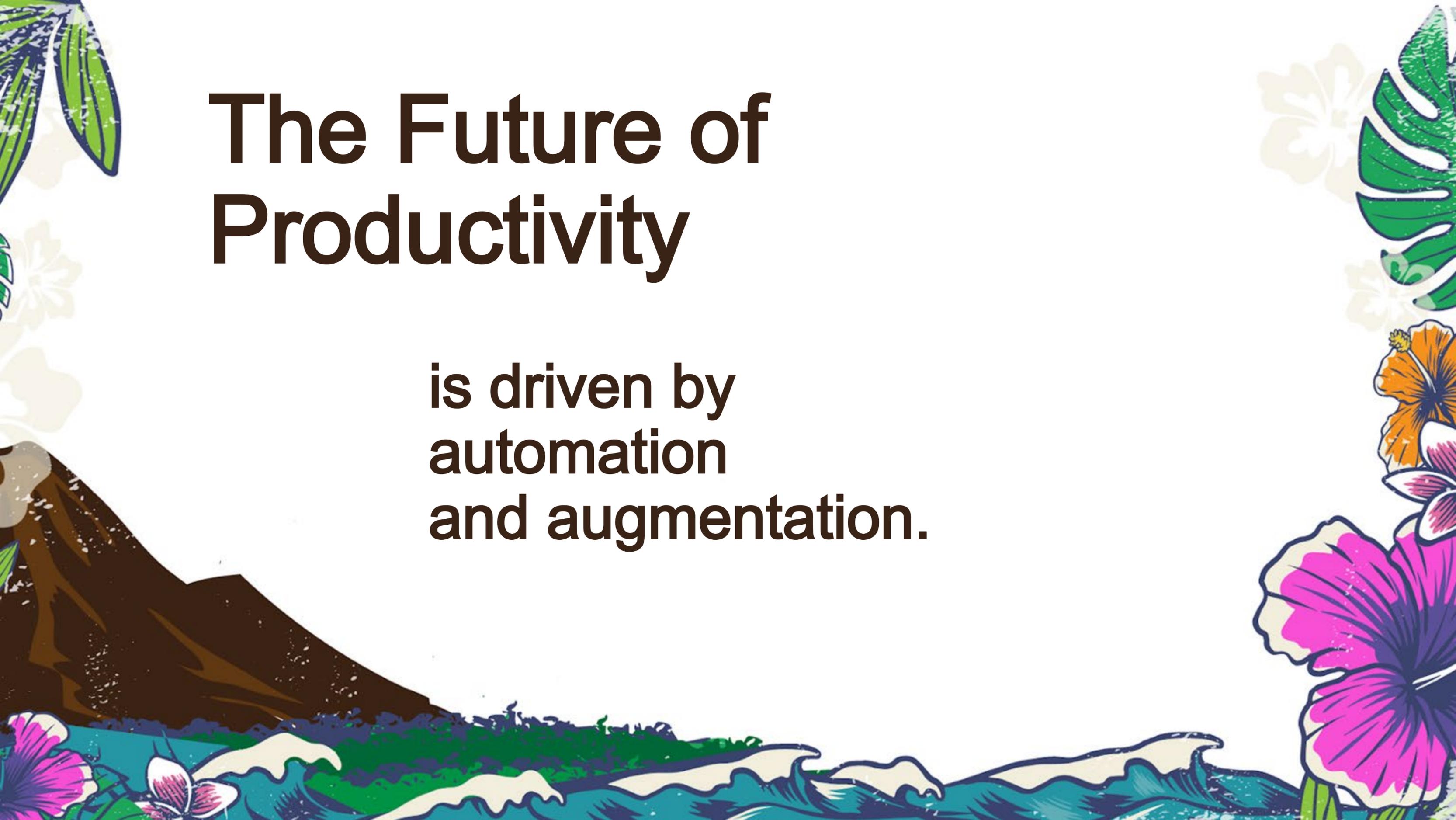
03 Decision-making



04 Design

# The Future of Productivity

is driven by automation and augmentation.

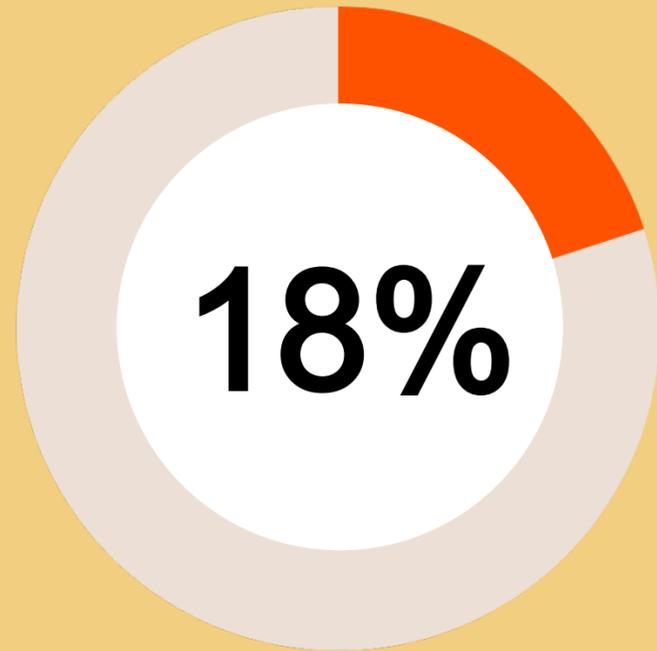


Technology will  
augment workers,  
**not replace them.**

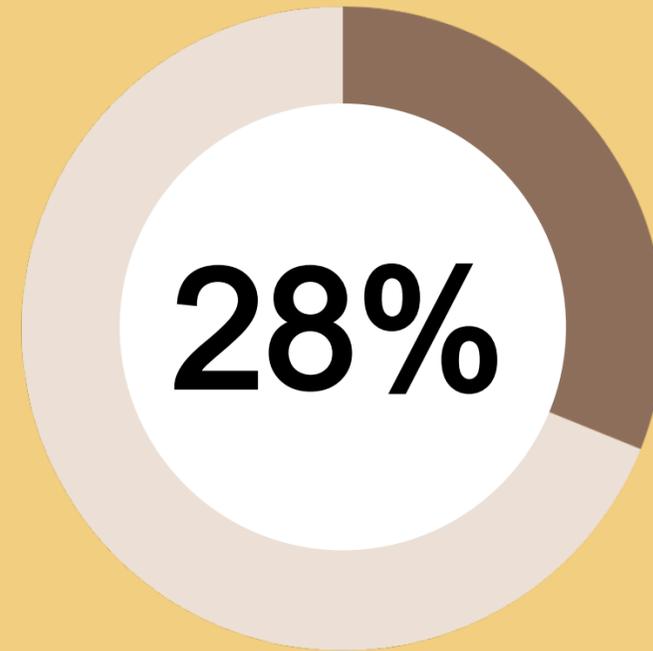


**55% of construction leaders believe it's highly likely that automation will disrupt the industry in the next 5 years.**

# Data-driven preconstruction



of project time is spent  
searching for data.



of a project's total time is  
spent on rework or  
rectifying issues.





Invest now to reap the benefits.

**65%** say adoption of new technology has a significant influence on culture and resilience to risk.

# The Future of the Work force

lies in empowering  
people.



Culture has a **direct impact** on attracting and retaining talent.



# Upskilling and training

**47%**

SAY THAT THEY CURRENTLY  
HAVE EMPLOYEE TRAINING  
PROGRAMS FOR UPSKILLING AND  
RESKILLING IN PLACE.

**41%**

ARE PLANNING  
TO IMPLEMENT  
ONE IN THE  
NEXT 12  
MONTHS.

# The Future of Decision Making

is data driven.



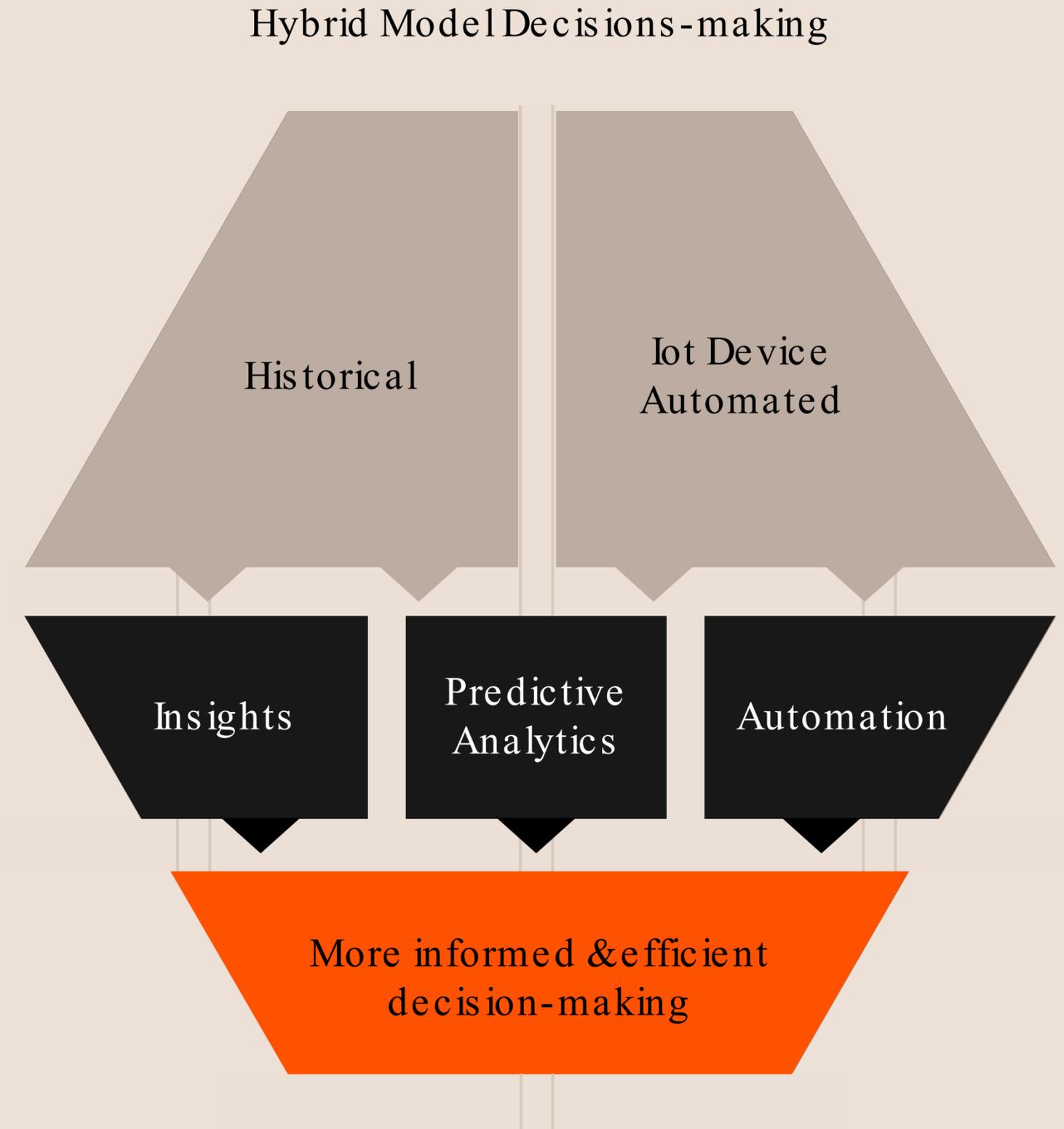
Tech and people will be  
partners in complex  
decision - making.



# >80%

**agreed that access to historical data is critical to current and future projects, connected data across teams is imperative for project success, & accurate historical data helps reduce financial risks.**

**Complex decision making will shift from human-only to hybrid.**



**76% of civil and infrastructure builders say they are not realizing the full potential of their data.**

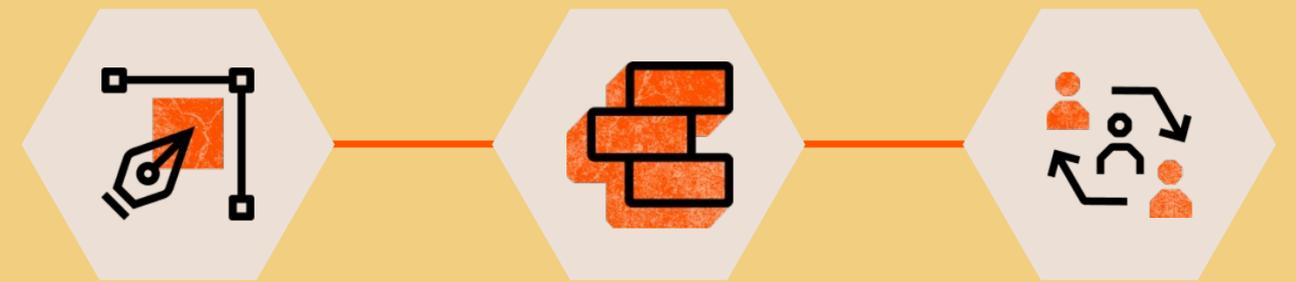
Everyone will be capturing data, but those who ask the best questions of the data will thrive.

# The Future of Design

will transfer to  
builders.



# Designers of tomorrow will be builders themselves.

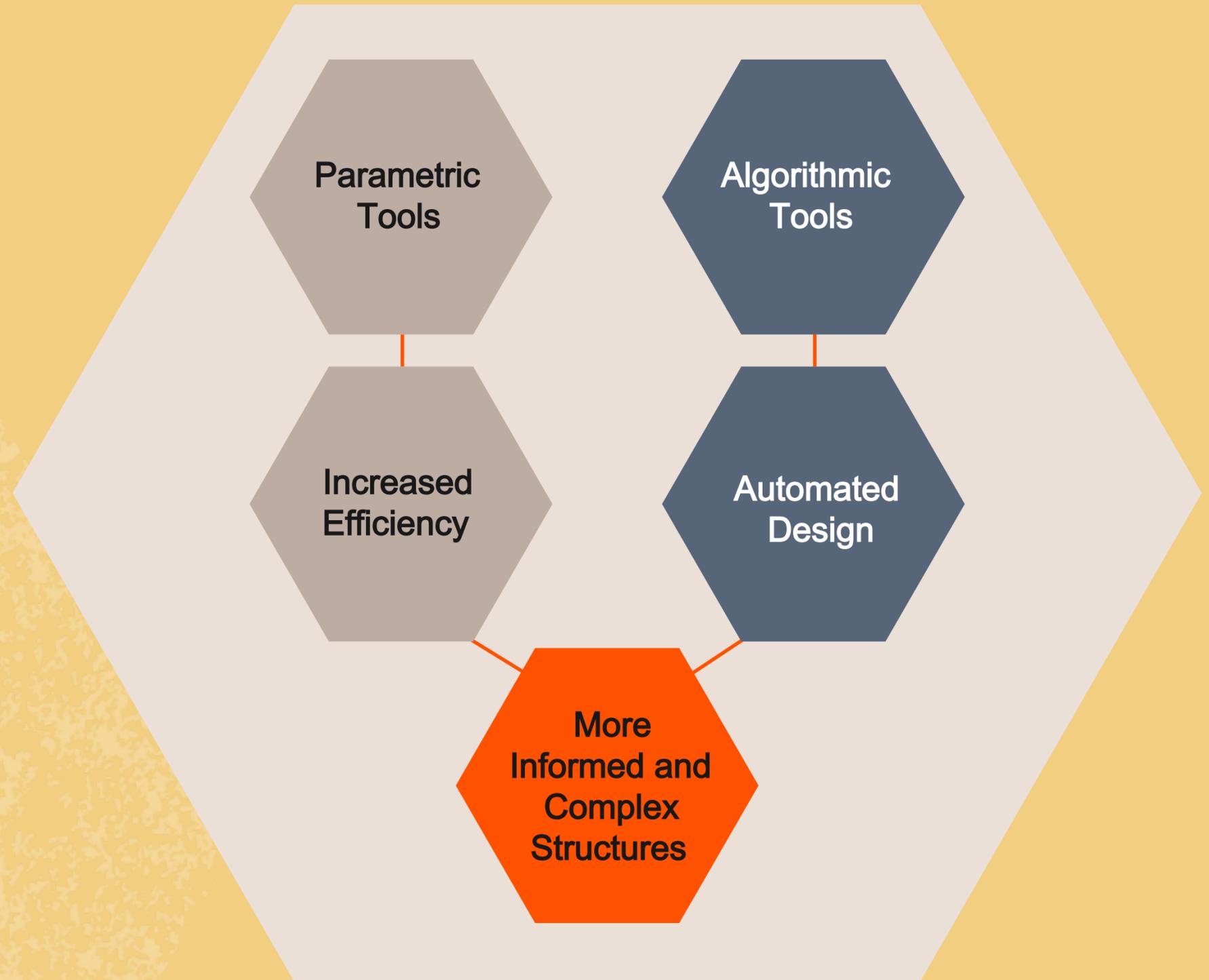


77%

AGREE BIM IS  
VALUABLE.

PROJECT COORDINATION SYSTEM

**Design will  
be more  
efficient.**



# The Future State of Construction

Download the report here.



Please take a moment to complete the session survey provided to you.



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