FYI in 45
Rapid Energy Modeling

Panelists:
Matt Goss
Mathews Mathai

Moderated by:
Andrew Beaton

September 11, 2019

CDM Smith

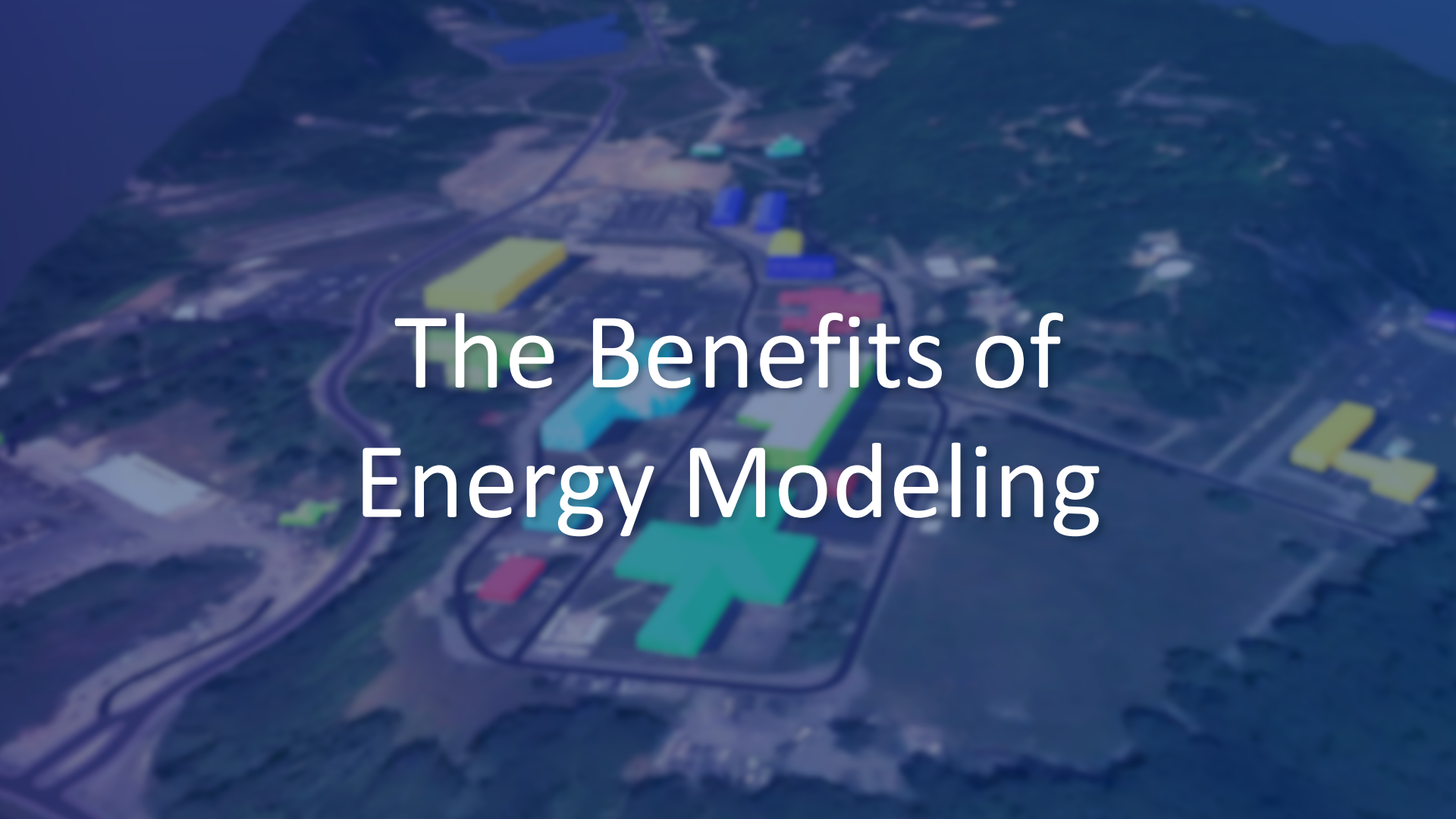
Today's Discussion Will Focus On

- The drivers behind energy optimization
- How the Rapid Energy Model (REM) tool accelerates the process of energy audits
- A demonstration of the REM tool
- Considerations for using the REM tool

Our Panel

Matt Goss
Vice President, Technical Strategy Leader

Mathews Mathai
Senior Business Consultant,
Infrastructure Solutions at Autodesk


The Benefits of
Energy Modeling

Energy modeling & optimization is ideal for:

Large-scale energy users

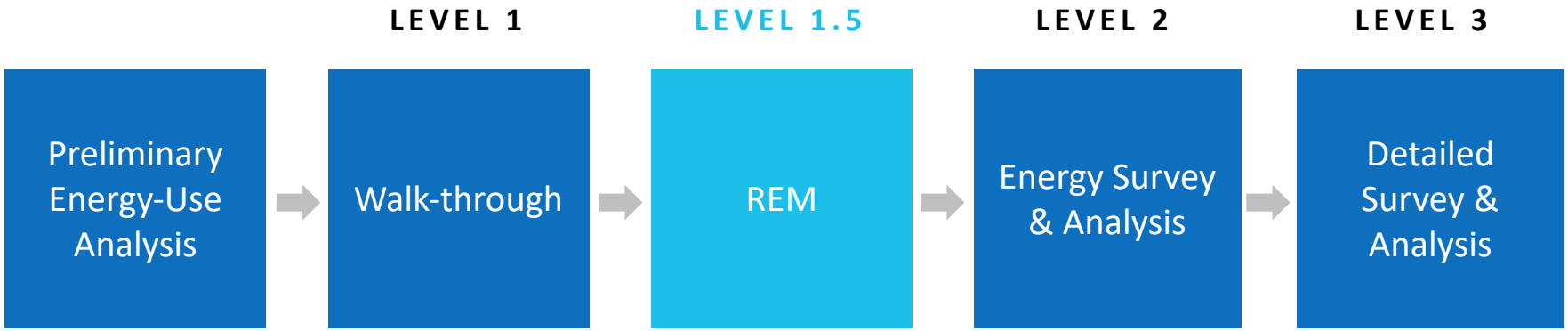
Managers of facility campuses

Federal agencies

Drivers for Energy Optimization

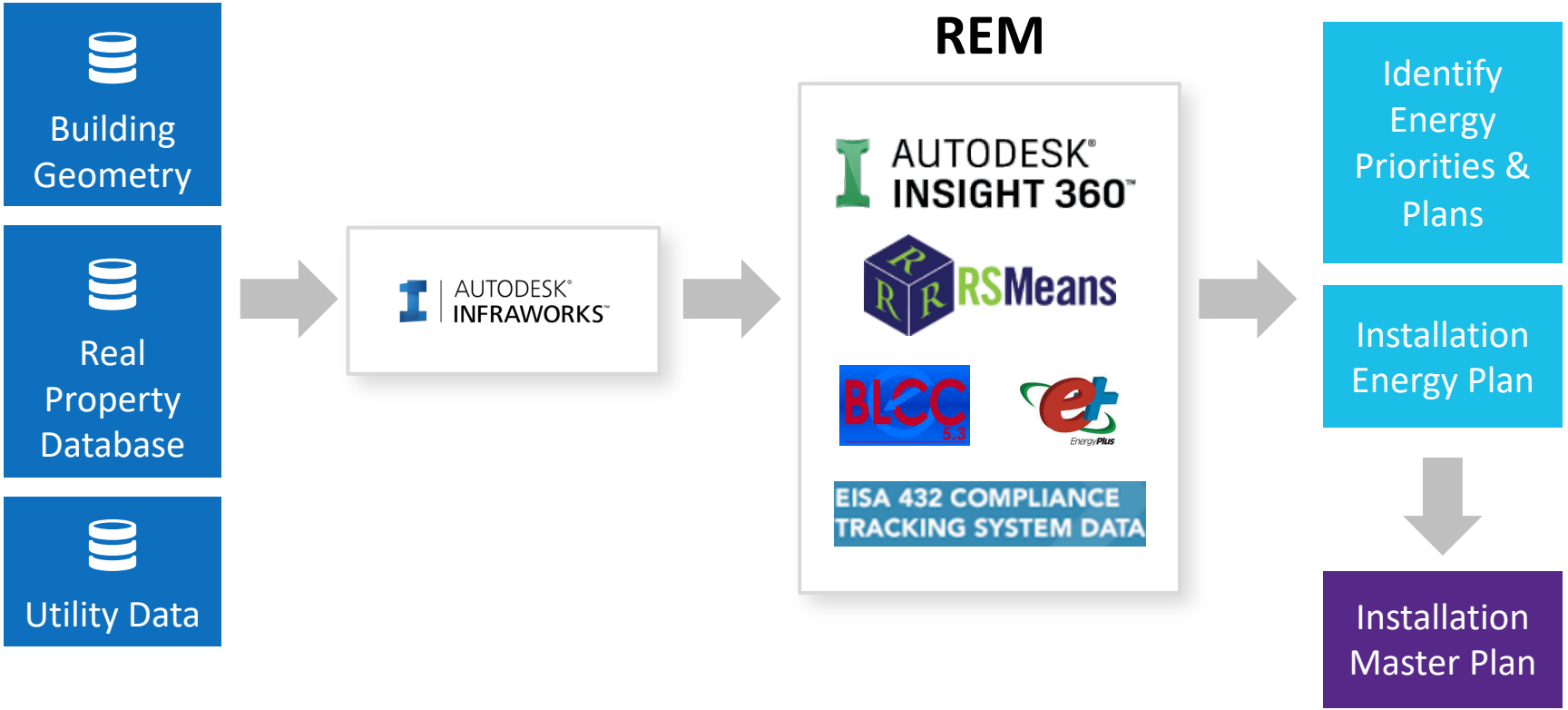
Challenges with Energy Audits

ASHRAE Energy Audit

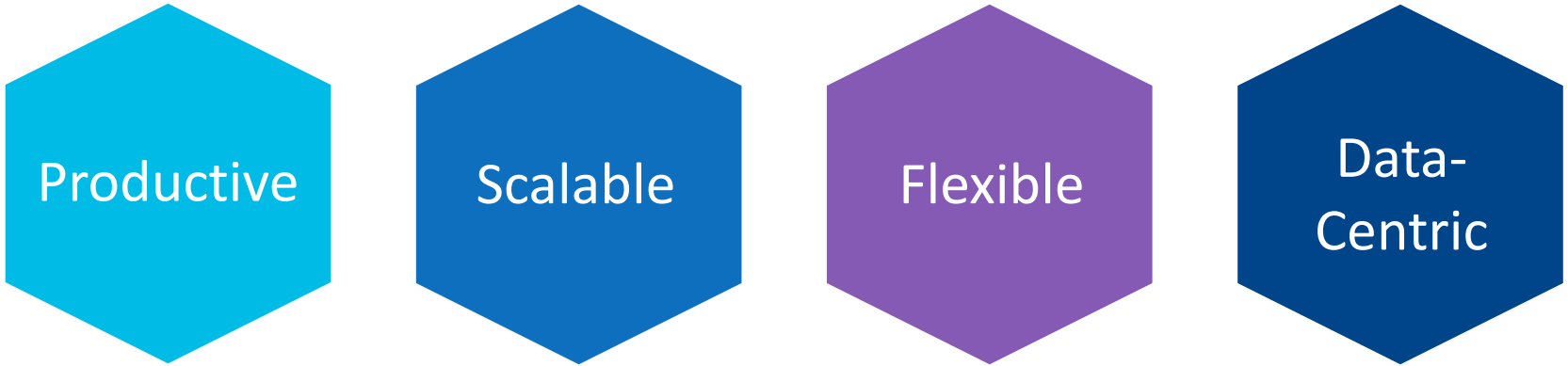


Introducing the REM

Connected & Automated Workflow



Empowering Data-Driven Policy Decisions



Demonstrating the REM

Putting the REM to Work

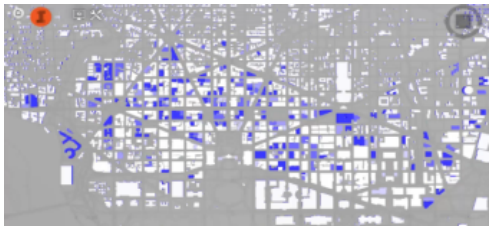
The Rapid Energy Model (REM)

Screen by Building Type

Select building type (i.e. offices) and find which systems to retrofit

Combined Approach (i.e. which offices would most benefit from a lighting upgrade)

Screen by Building System

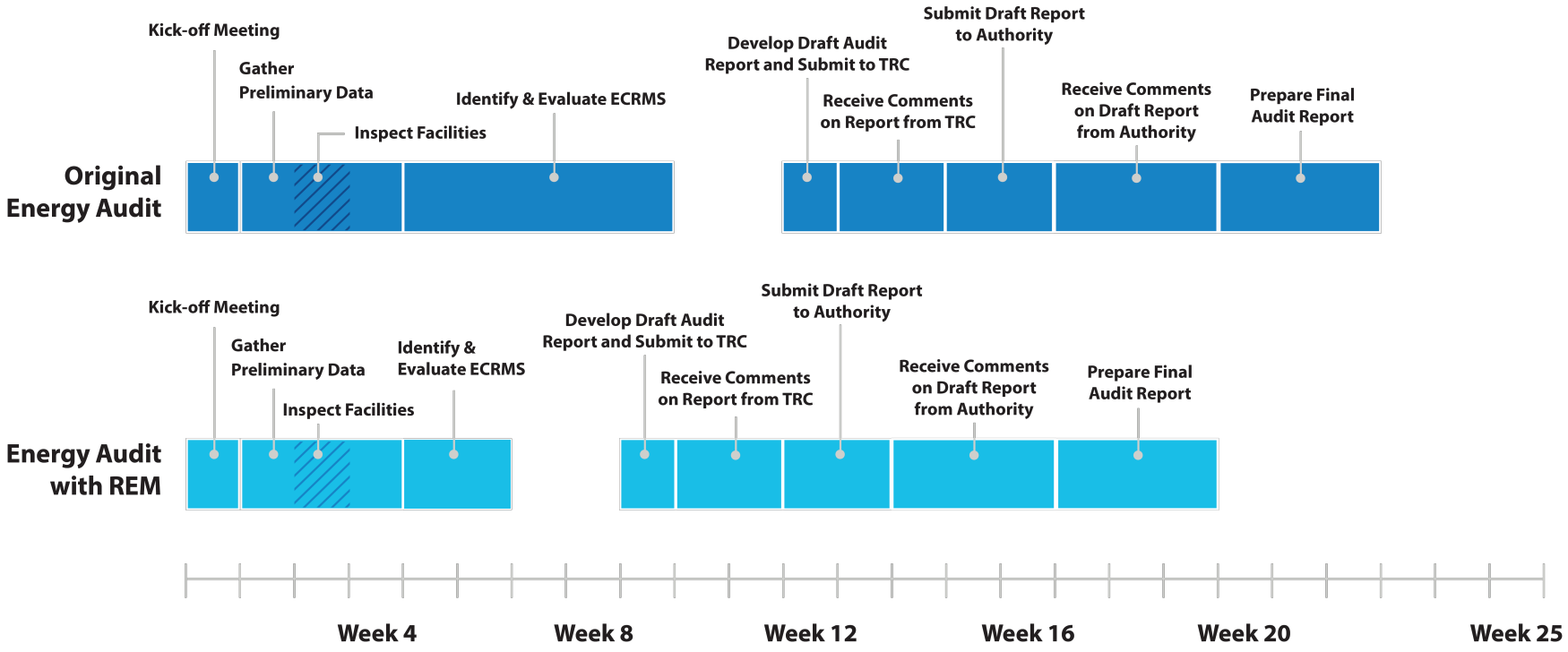


Select building systems to retrofit (i.e. lighting, HVAC, PV) and find buildings

Data-Driven Policy

Project Stats

Delivering Sooner with REM



Considerations

Information to Get Started

Need	Nice to Have
☑ Address	☑ Vintage (Year Built)
☑ General Building Geometry	☑ Materials use for construction
☑ Building Use	☑ Number of Occupants

Looking Ahead

Questions & Answers

Contact Information

Panelists

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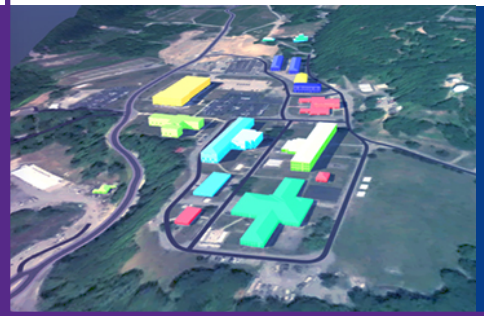

Thank You