

JTC Cuts Model Checking Time by 95% Using Plannerly for Smart Information Management

Government-Level Digital Transformation - with Plannerly

plannerly

CASE STUDY



THE CLIENT

JTC Corporation, under **Singapore's Ministry of Trade and Industry**, is the national agency driving industrial infrastructure development. JTC manages the full project lifecycle - from planning and design to construction, facility management, and estate rejuvenation - making accurate, structured data essential for seamless transitions between project phases.



John Kiong Director, Future of Building & Infrastructure Division at JTC Corporation

THE RESULTS

11,000

 Excel Rows eliminated!

95%

 faster model validation

“ Before Plannerly, it took weeks to do model checks - now we do it in hours. ”

THE CHALLENGE

With projects spanning multiple stakeholders and phases, JTC faced:

- An 11,000-row Excel-based Model Content Requirement (MCR) document
- Manual, **inconsistent compliance checks**
- Misaligned data expectations across consultants, contractors, and FM teams
- **Difficulty tracking model progress** or data quality over time

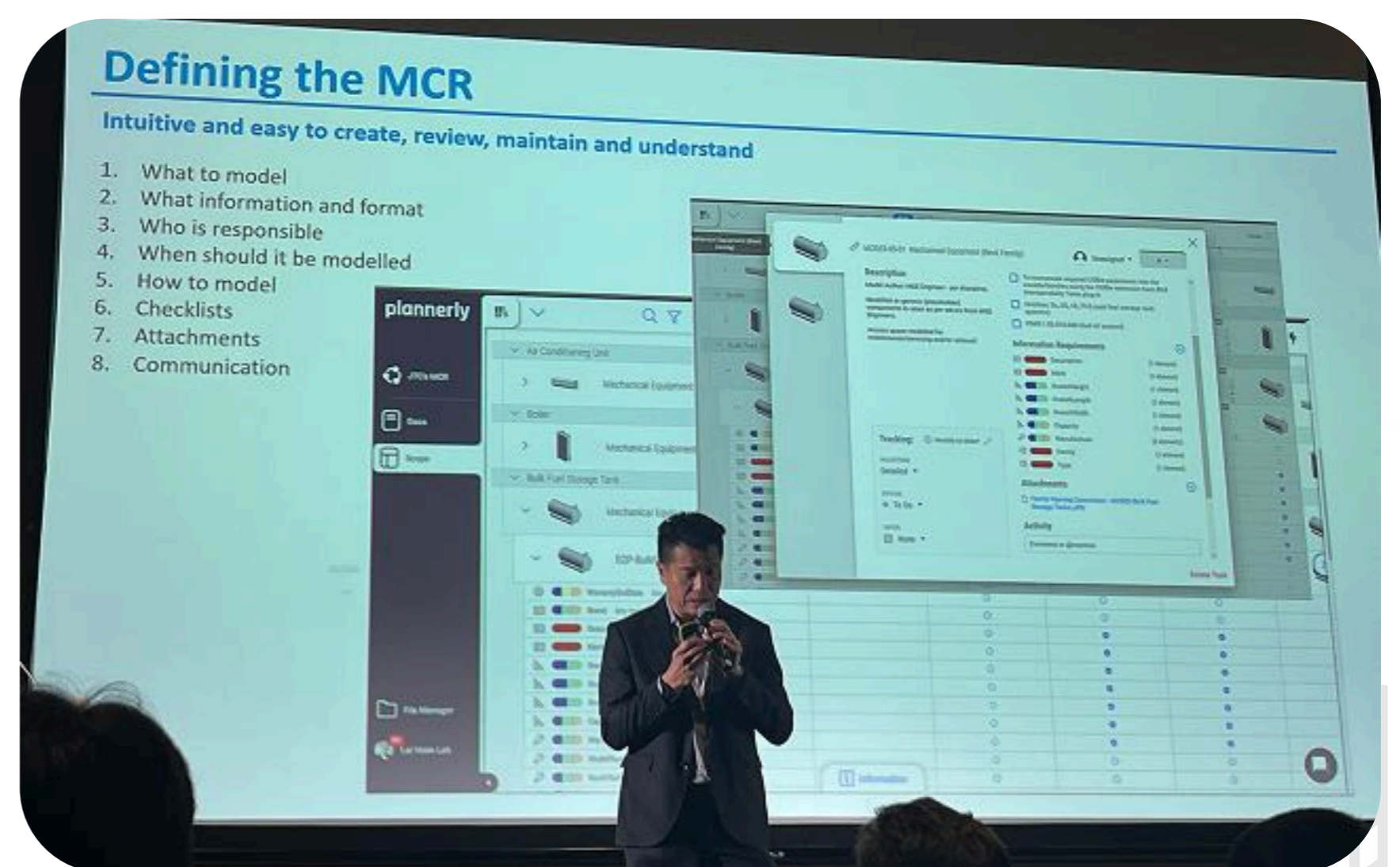
As Lok, JTC Implementation Partner, explained:

“ Compliance checks used to be a black box. Now, with Plannerly's Verify module, every requirement is traceable and auditable. ”

THE ACTIONS

In 2023, JTC implemented Plannerly to host, standardize, and automate its Model Content Requirements (MCR). The team migrated over **11,000 data rows** from Excel into structured templates, defined **2,000+ object types** across **27 model categories** and **300+ subcategories**, and assigned modeling responsibilities using **role-based filtering**.

Weekly (or more frequent) model checks were automated through the **Verify module**, with results displayed in **visual dashboards** using red/yellow/green compliance indicators. By 2024, JTC launched MCR 2.0, fully integrated with Plannerly workflows and **aligned with IFC SG standards**.



“ Our journey demonstrates how properly structured data can help transform a big data management challenge into a powerful asset throughout a project's lifecycle. Through adopting Plannerly, we're building a more efficient future for construction. ”

THE IMPACT

- **95% reduction in model-checking effort**
- Auditable, traceable compliance workflows
- Faster coordination via partial model check-ins
- Empowered non-BIM roles to participate
- MCR now expanding to infrastructure projects

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