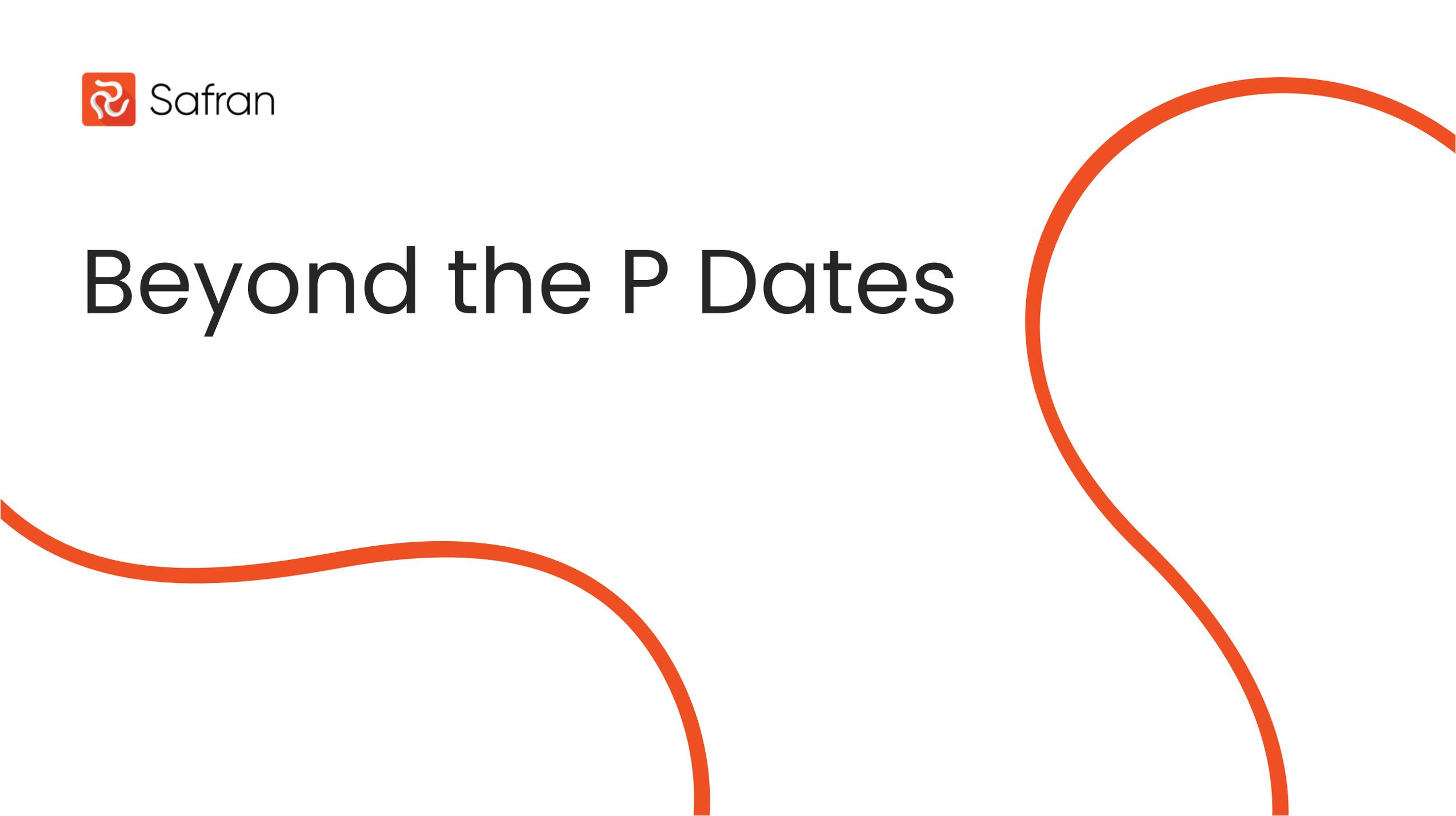


Beyond the P Dates

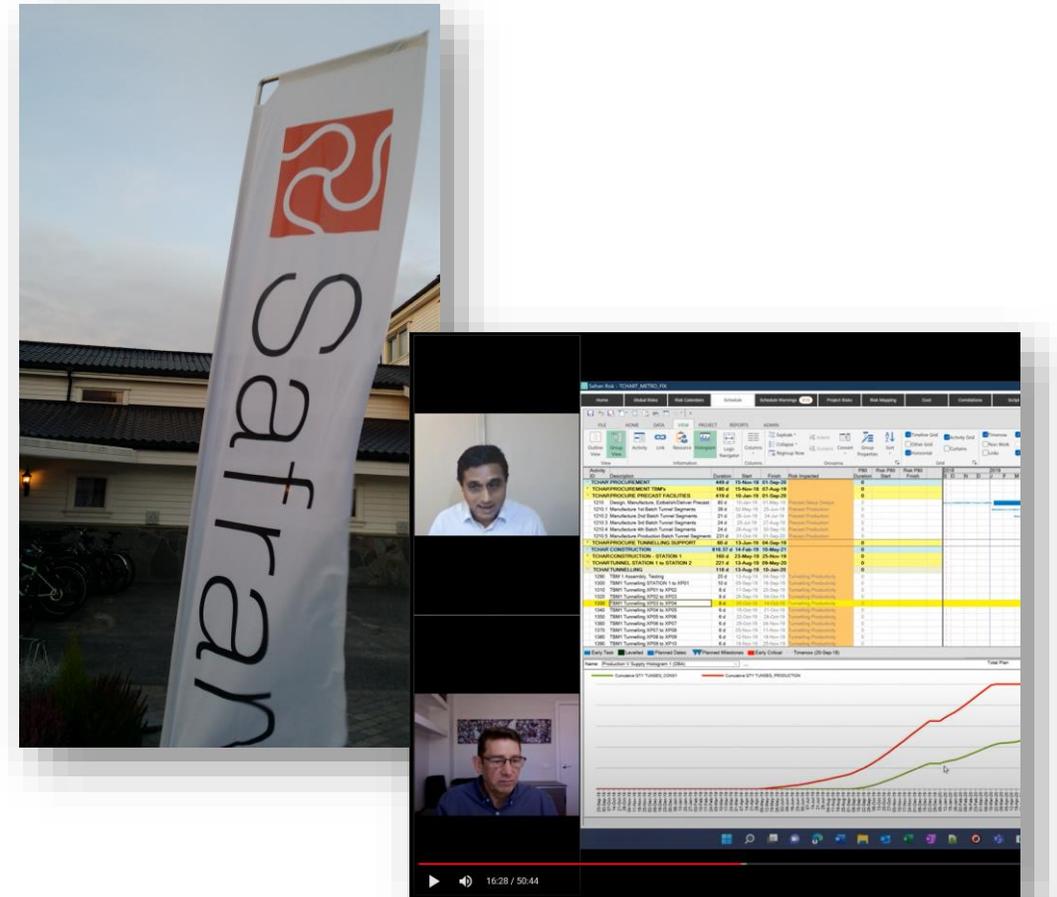


Background

About Me

Civil Engineer and certified AACE Planning and Scheduling Professional with 20+ yrs in Project planning and controls

Independent Consultant based in Sydney, Australia. Director, Risk Practice **Allinno** & Co-Founder of Turbo-Chart



Allinno and Safran

Allinno is fascinated by technological innovation and the enabling power it has for organisations to transform their ways. Our heritage is helping large enterprises gain better outcomes from information technology.

Allinno Pty Ltd is the Australian and New Zealand representative for Safran Risk, and clients include:



Antarctica
New Zealand



TransGrid

JOHN
HOLLAND



WEST GATE TUNNEL AMD Group
PROJECT



Cross
Yarra
Partnership

AMD



RAIL
PROJECTS
VICTORIA

What's
Critical

MAJOR ROAD
PROJECTS
VICTORIA

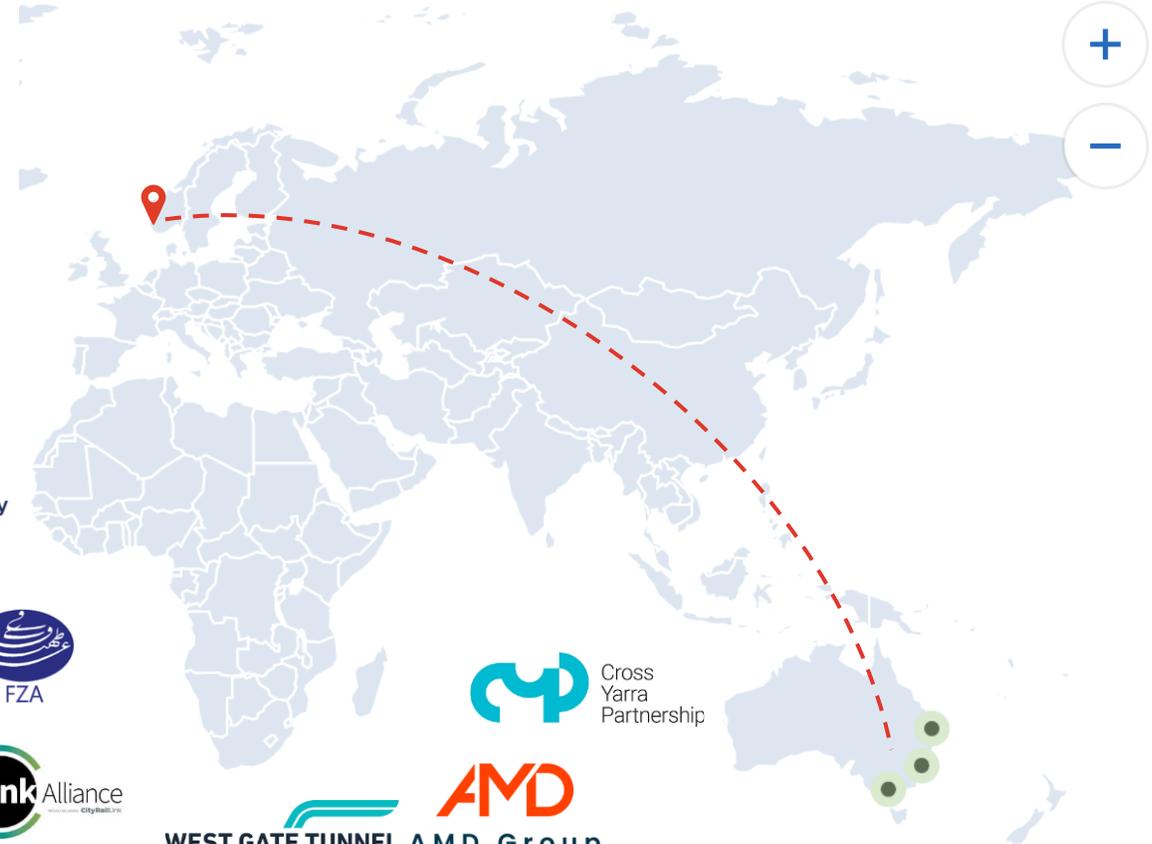
Sempac

gba



MCCONNELL
DOWELL
CREATIVE CONSTRUCTION™

Safran



Why Schedule Risk Analyses?

Outcomes

- Identify driving risks
- Changes to critical path(s)
- Schedule robustness
- Challenge or verify assumptions
- Degree of confidence of achieving key milestones
- Date for a selected degree of confidence



Demonstrations

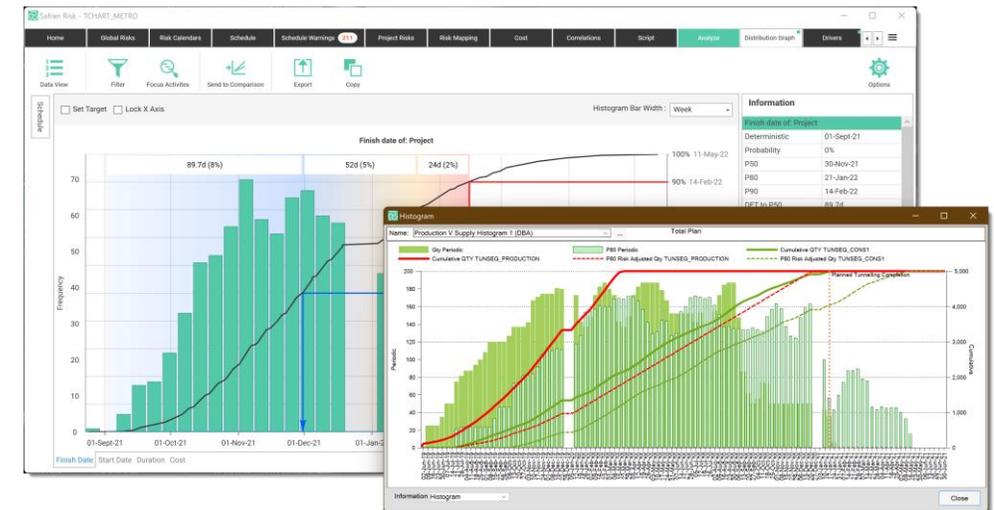
Safran Risk's unique scheduling capabilities

Scenario 1 - Production Rates (supply & demand)

- As Planned Production vs Consumption
- Production only Risk
- Combined Risk (All risks on Project)

Scenario 2 - Limited Resources (resource leveling)

- As Planned
- Risk Adjusted As Planned
- Levelled Resources
- Risk Adjusted Levelled Resources



Scenario 1 – Supply & Demand

Need to model precast segment supply against Tunnel Boring Machine (TBM) demand.

Also need to stress test both supply and demand to ensure the TBM is never halted, awaiting precast segments.

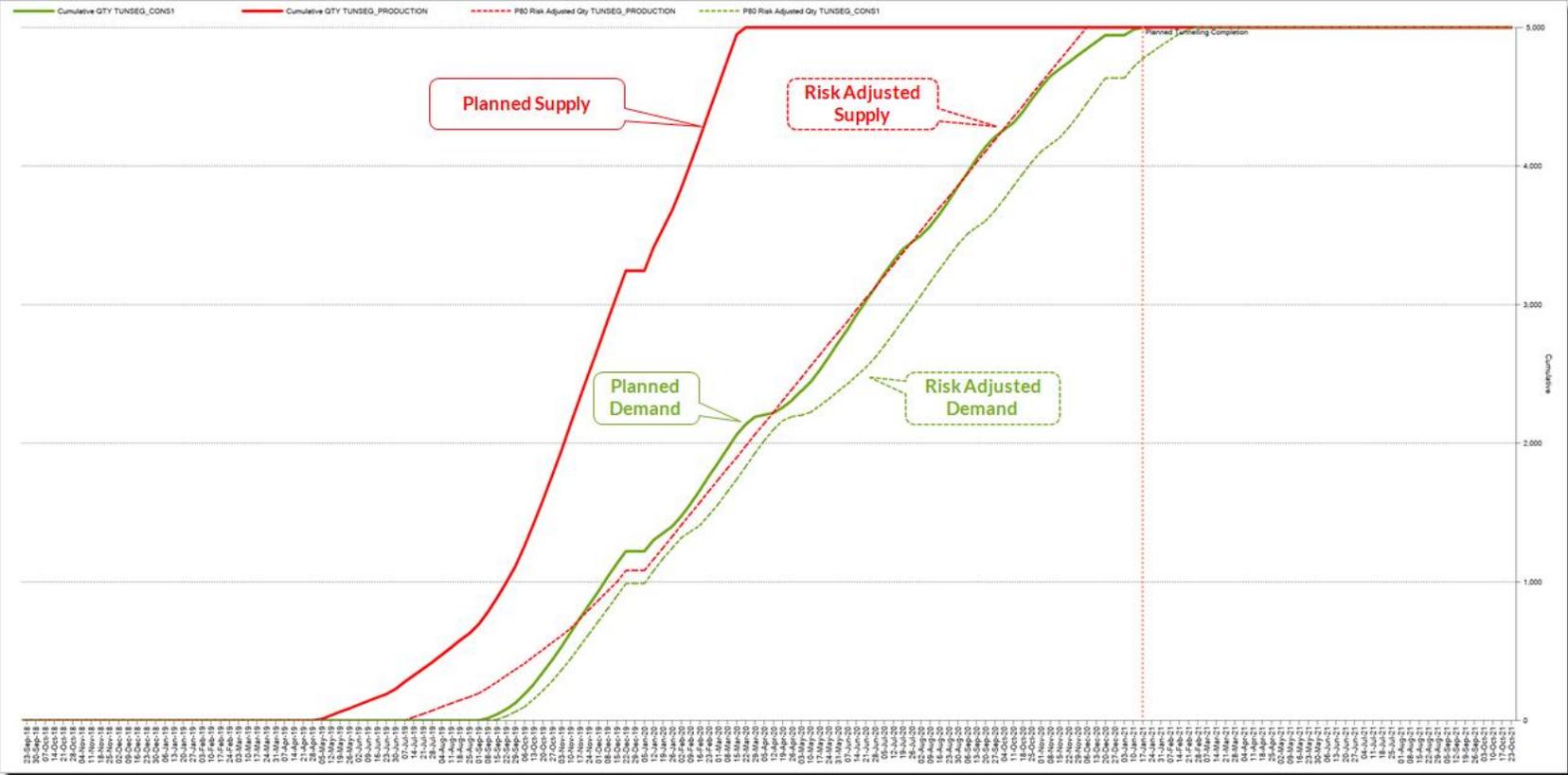


TBM Segments



Executive Report

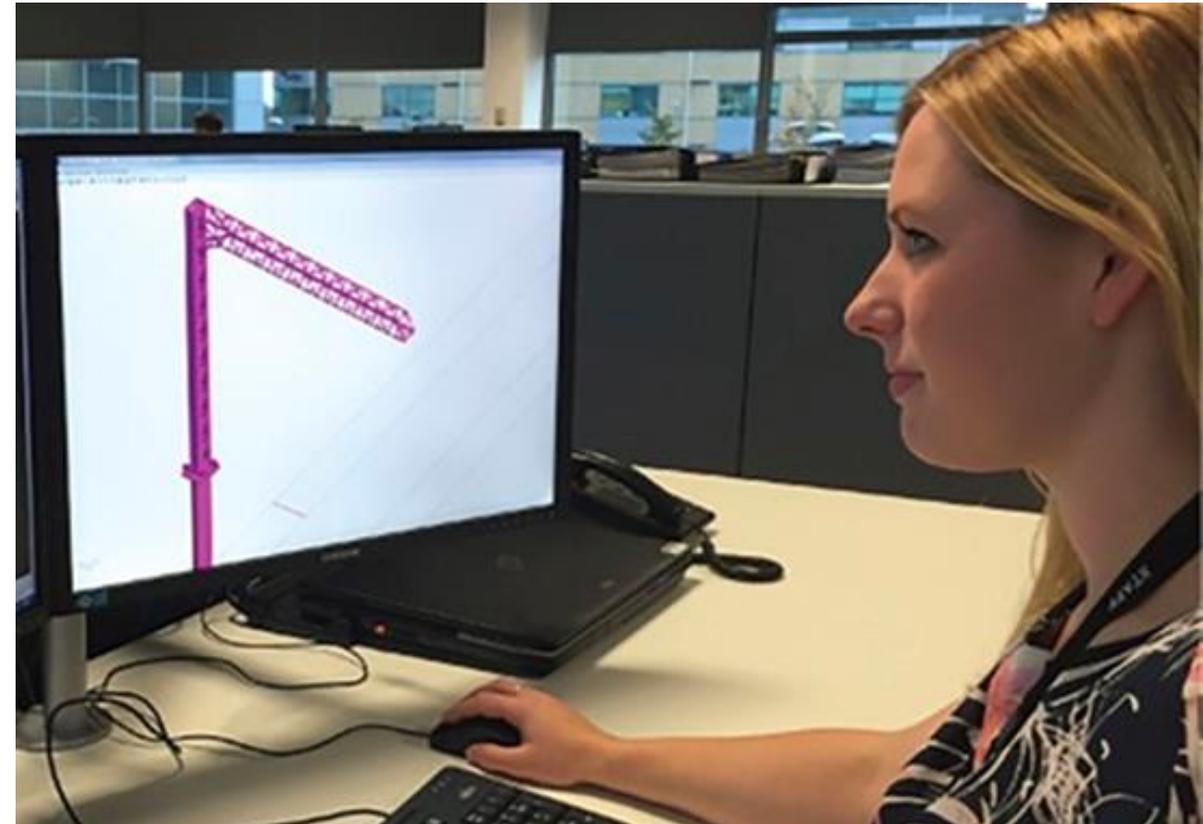
Segment Supply & Demand at P80



Scenario 2 – Limited Resources

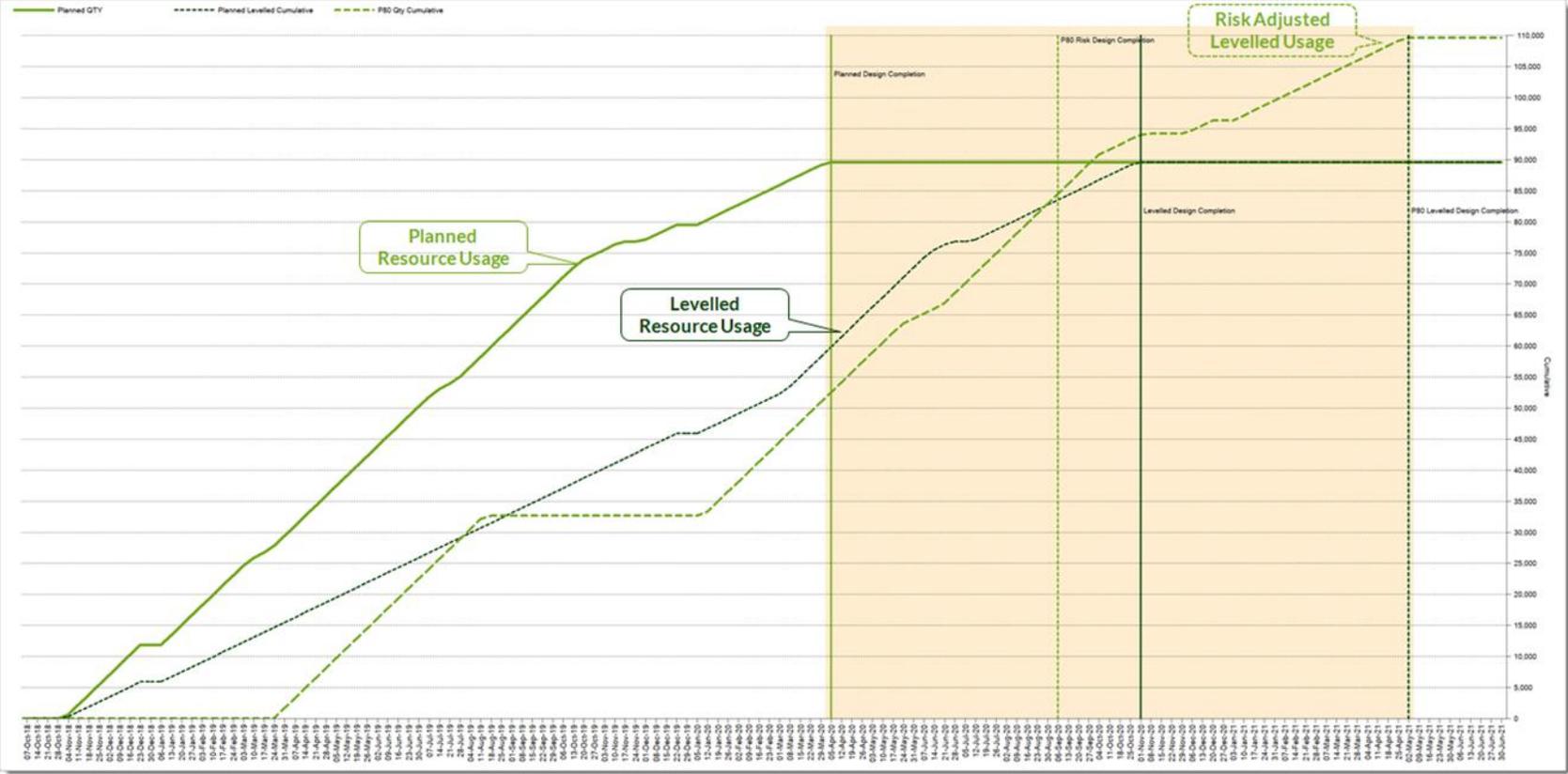
Need to replan (level) due to a projected shortage of design staff.

Also need to stress test the plan to see the combined effects of resource shortages and risks.



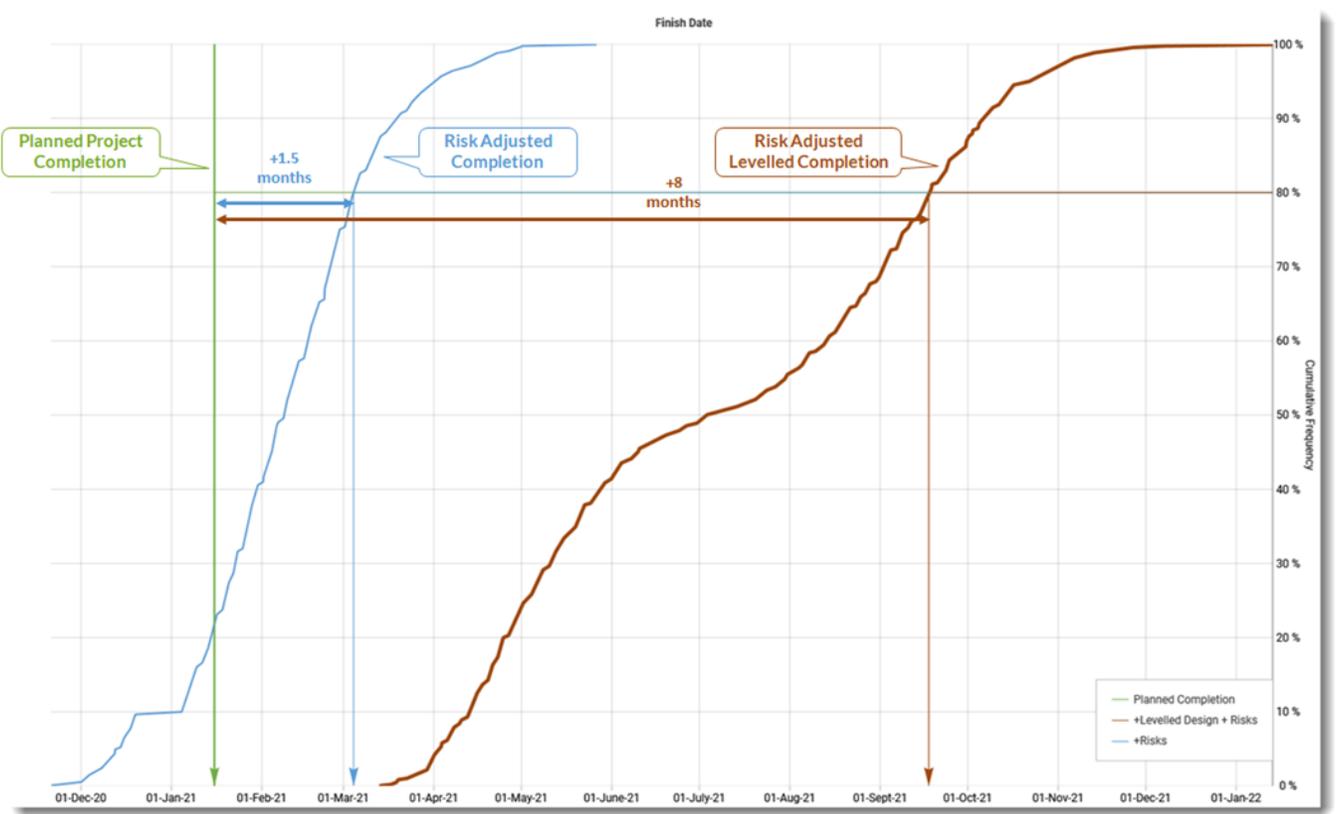
Executive Report

Designer Shortage at P80



Executive Report

Project Completion at P80



Beyond P Dates

Outcomes

- Identify driving risks
- Changes to critical path(s)
- Schedule robustness
- Challenge or verify assumptions
- Degree of confidence of achieving key milestones
- Date for a selected degree of confidence
- **Beyond the P Dates**





Thank You.