



How has COVID →
Impacted Productivity:
← *The Project Controls Perspective*

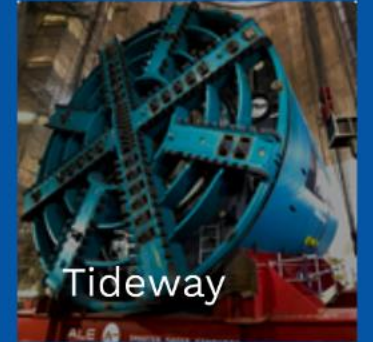


LogiKal is an international strategic project management consultancy that specialises in developing and delivering digitally integrated project controls solutions



What We Do

We use our unique experience in delivering complex, multi-stakeholder, multi-disciplinary capital investment projects to improve our clients ability to govern and manage projects





How We Do It

We have been actively involved in supporting our client teams review COVID-19 impact to schedules and overall productivity

Integrated Project Delivery





LogiKal undertake an industry leading global survey of project control trends each year

1,029 
PARTICIPANTS

15+ 
INDUSTRIES

65 
COUNTRIES

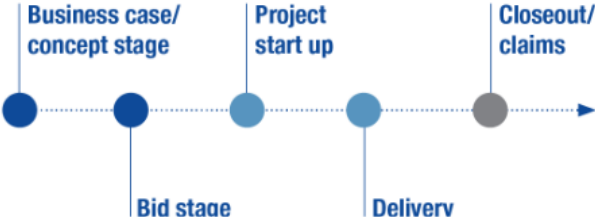
12% 
EXECUTIVE
DECISION MAKERS

Key Trends

System
Integration



Early
Engagement



BIM
Maturity



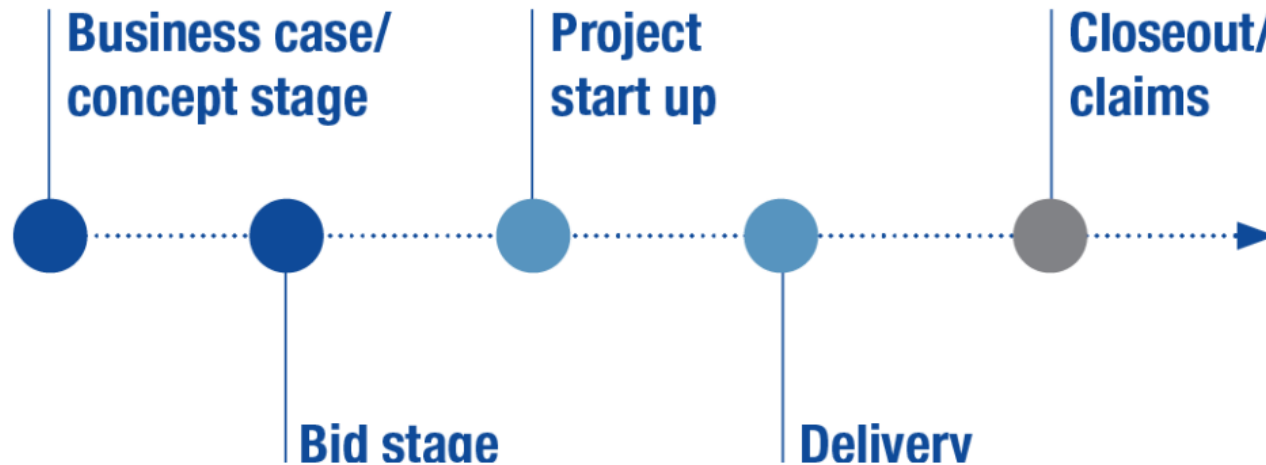
System Integration



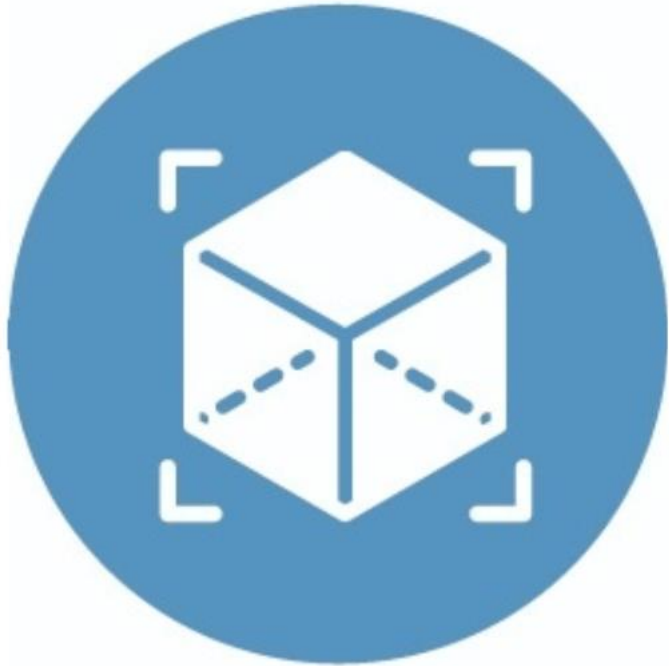
Projects with fully integrated project controls are **2x** more successful than project systems that operate in silos

Early Engagement

Projects that implement and engage project controls at bid stage or concept stage are seeing **52%** higher success rate



BIM Maturity



On a global scale, 12% of surveyed projects have Level 3 BIM maturity, and these projects are more likely to achieve project success

Our Experience: →

Impact of COVID -19

Collaboration to overcome challenges



Fully Integrated
Project Controls

Vs



No Integrated
Project Controls

Projects **with** fully integrated project controls typically have...

- an accepted & accurate project baseline
- the ability to run detailed scenario modelling to remobilise
- accurate data to identify and record the impact of COVID-19

Projects **without** fully integrated project controls typically have...

- limited linkage between cost and schedule
- limited data to determine impact to productivity
- greater uncertainty

Key Impacts to →

Productivity

Sites have been reopening with

- less staff
- new Social Distancing requirements
- supply chain disruption

= less productivity

Key Impacts to →
Productivity

- Welfare is key
- Programme uncertainty over new output levels
- Cost estimates traditionally based on historical rates of productivity

Adoption of →
Digital

Integrated Project Controls provides a robust baseline to record change against

Integrated cost with programme must be adopted to provide future cost certainty

Collaborative scenario modelling to determine key milestones and budgets for cost to complete



Using digital to determine new productivity levels

- 4D Planning
- Quantitative Schedule Risk Analysis
- 20-30% assumed reduction in productivity
- P50 and P80 approach to determining milestones



Summary

This is an unprecedented situation, one of the greatest global challenges in living memory impacting businesses across the globe.

Collaboration is key

Support for supply chain

Adopting digital techniques



LOGIKAL
Project Intelligence



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