

NODES & LINKS

Next Generation PMOs
Combining People and Machines

Greg Lawton|| co-founder & CEO greg@nodeslinks.com

Our Partners







VINCI



Our Accolades









CIR duct Risk

Risk and Produc



Nodes & Links uses cloud-tech and AI to enable engineering projects to be delivered on time, on budget and at less cost.



Nodes & Links is an environment that allows every member of your team to track, analyse and prioritise work to make great decisons.



BAE SYSTEMS



The University of Manchester











- Served: **300 projects**
- Across: 30 enterprise customers
- Across 3 continents
- Hitting automation levels of 96%, saving one customer £63M per year
- Hitting **acceleration savings** of 1.5% of project budgets, saving one customer £60M on a single project
- · Doubling company size every 4 months



What we knew that enabled us to do this

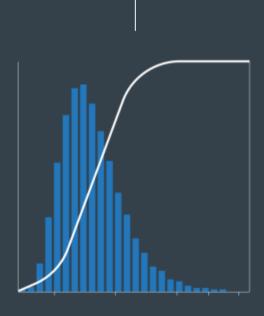


Fact #1

Projects earn revenue from **delivery**



Projects earn profit from **Project Management**

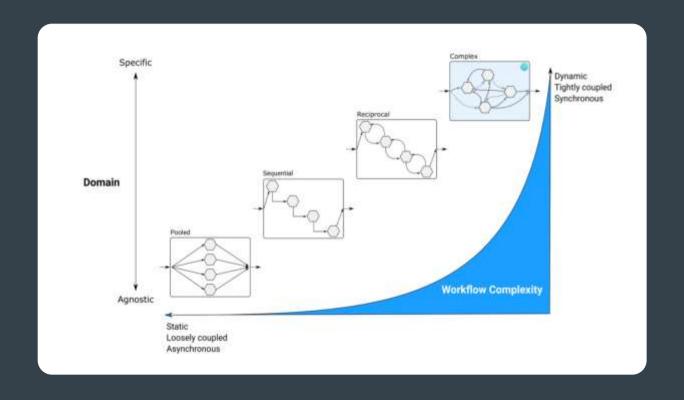




Fact #2



Project Management is about managing complexity





Delivering successful projects is as hard as today...





Project Performance Map

	Mean cost	Frequency of	Mean schedule		Mean benefit	127776377102
A-1	overrun	cost overrun	overrun	overrun	overrun	shortfall
Solar power	1%	4 out of 10	0%	2 out of 10		
Energy transmission	8%	4 out of 10	7%	1 out of 10		
Wind power	13%	6 out of 10	22%	6 out of 10		
Pipeline	14%	6 out of 10				
Water	21%	7 out of 10	33%	8 out of 10		
Road	24%	7 out of 10	38%	8 out of 10	-3%	6 out of 10
Bridge	27%	6 out of 10	19%	7 out of 10	2%	7 out of 10
Mining	27%	5 out of 10	45%	6 out of 10		
Oil+Gas	31%	8 out of 10				
Thermal	33%	6 out of 10	37%	8 out of 10	-6%	7 out of 10
Tunnel	37%	8 out of 10	21%	6 out of 10	-21%	8 out of 10
Rail	38%	7 out of 10	39%	6 out of 10	-26%	7 out of 10
Airport	46%	6 out of 10			-15%	5 out of 10
Defense	52%	5 out of 10	41%	8 out of 10	0%	3 out of 10
Aerospace	61%	9 out of 10	27%	9 out of 10		
Buildings	63%	7 out of 10	38%	6 out of 10	-5%	6 out of 10
IT	74%	4 out of 10	47%	5 out of 10	17%	5 out of 10
Dams	85%	7 out of 10	42%	8 out of 10	-11%	6 out of 10
Nuclear power	122%	10 out of 10	65%	9 out of 10		
Olympics	172%	10 out of 10	0%	0 out of 10		





Fact #3



Complexity implies ambiguity, which requires people in roles





The next leap forward in **Project Management** will happen when we are able to reimagine the division of labour within roles



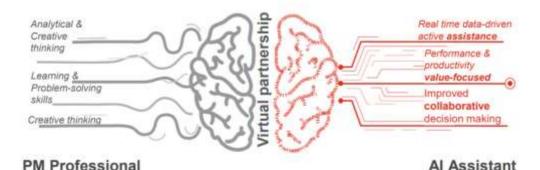
We ask our project teams to do the impossible





Virtual partnership Man and the machine

Project management has evolved over time, by adding value to organizations. **Man and the machine**, together facing the large-scale challenges named 'technological breakthroughs' – are raising both profound opportunities for business and people. In particular, Artificial Intelligence (AI), will have a huge impact on the role of the project manager also.







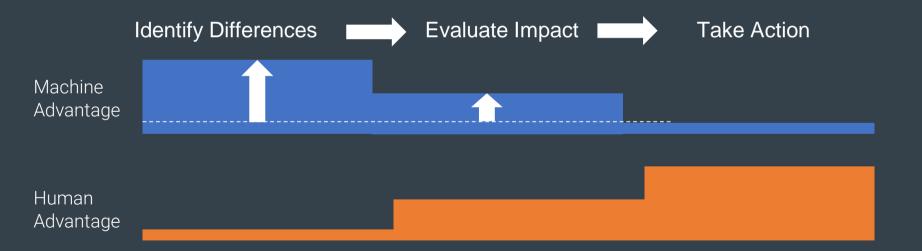


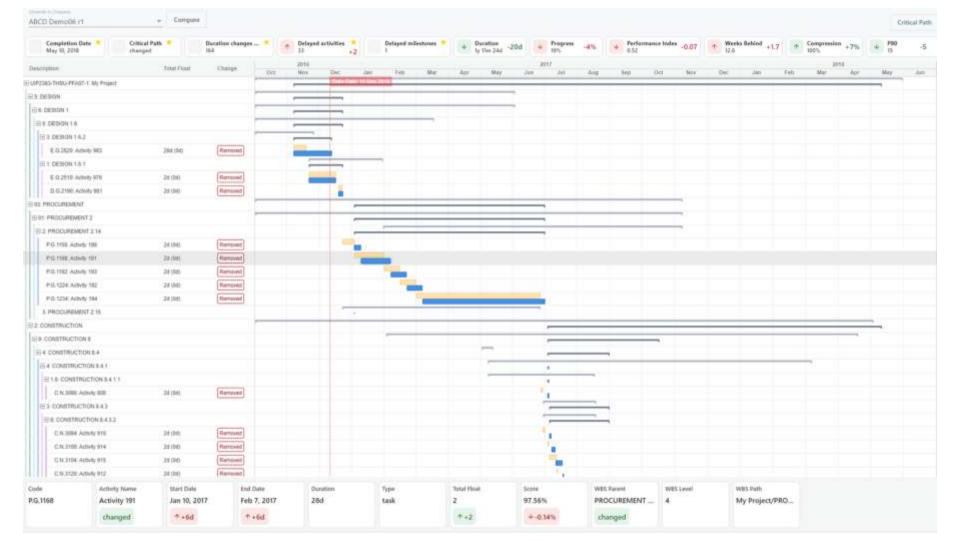






Comparing Schedules







"Like for like, 2 hours of work becomes 2 minutes.

As a by-product we are able to produce insights we never would have been able to."



Senior Planning Engineer **EDF Energy**

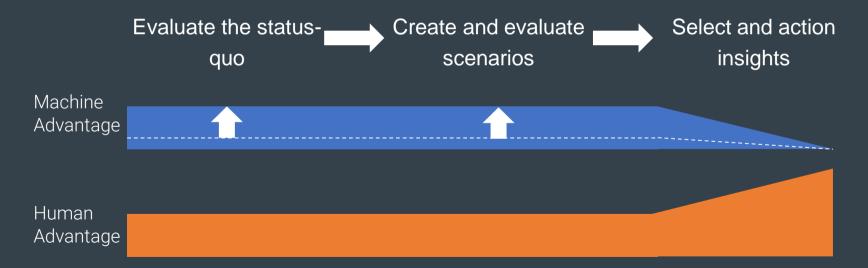


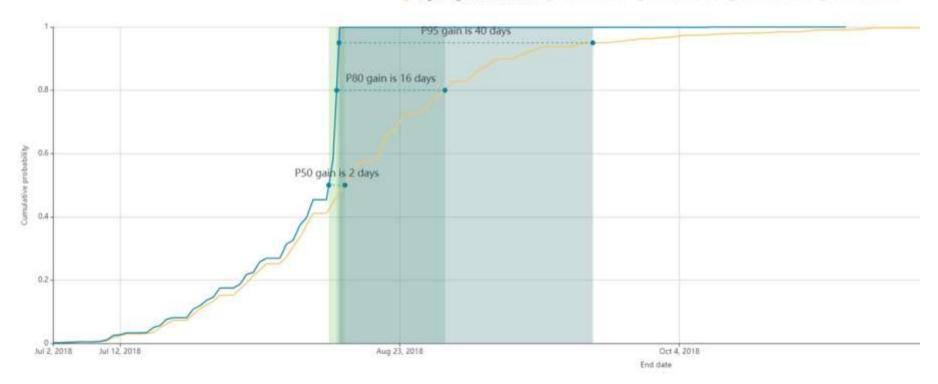






Identifying Opportunities for Acceleration







"

I went from looking at critical paths on a manual basis to full automation. Nodes & Links instantly gives me the top 5 paths, enabling far more intelligent what ifs.

"



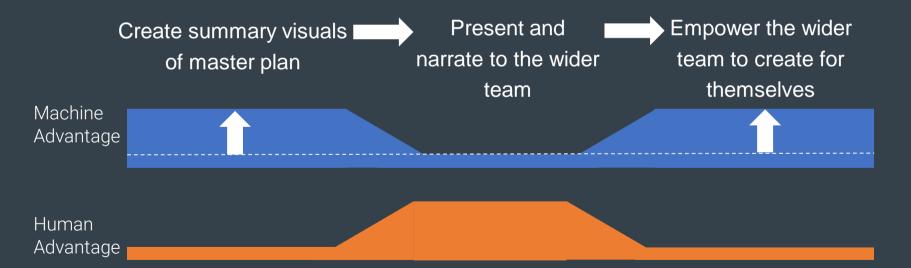


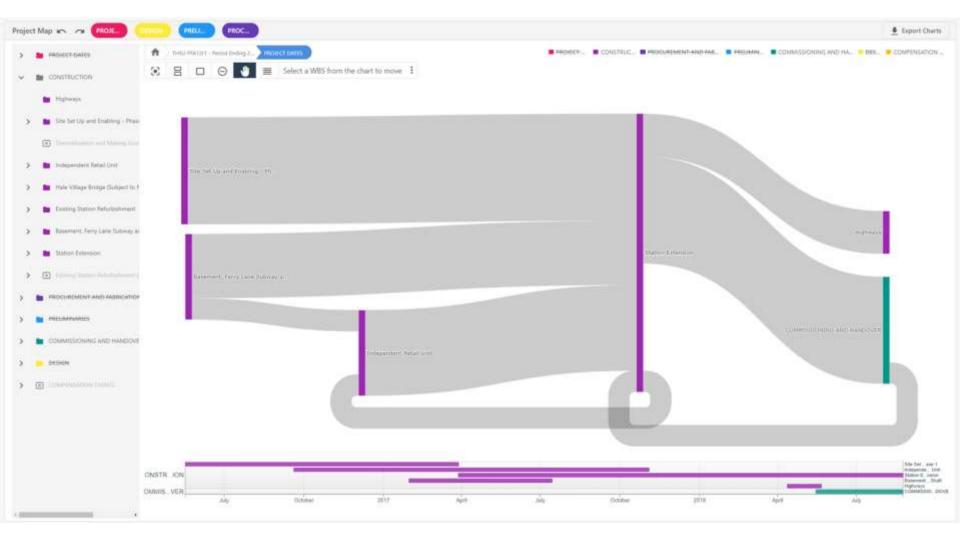






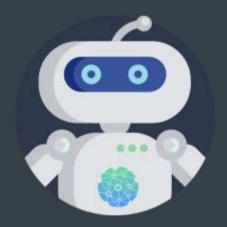
Explaining build strategy to the wider team







The future of **Project Management** has machines working for people



your Project Copilot

Our Partners









Our Accolades









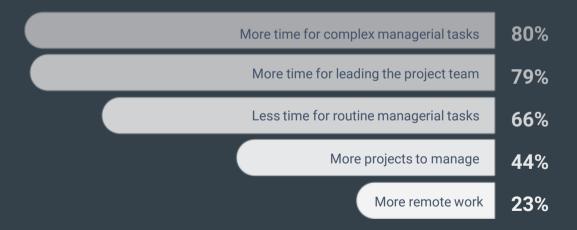
CIR Risk Innovation



People will become more valuable



Top three changes made by AI in the way project managers spend their time







We all will use cloud-tech and Al to deliver engineering projects on time, on budget and at less cost.





NODES & LINKS

your Project Copilot

Next Generation PMOs
Combining People and Machines

Greg Lawton|| co-founder & CEO greg@nodeslinks.com