

The Strategic University Steel Technology and Innovation Network Presents

Task 4: UK Digital Steel Innovation Hub (DSIH)

Arnold Beckman, Swansea
Jan Godsell, Warwick
Jonathan Linton, Sheffield
Giovanni Montana, Warwick



EPSRC

Engineering and Physical Sciences
Research Council



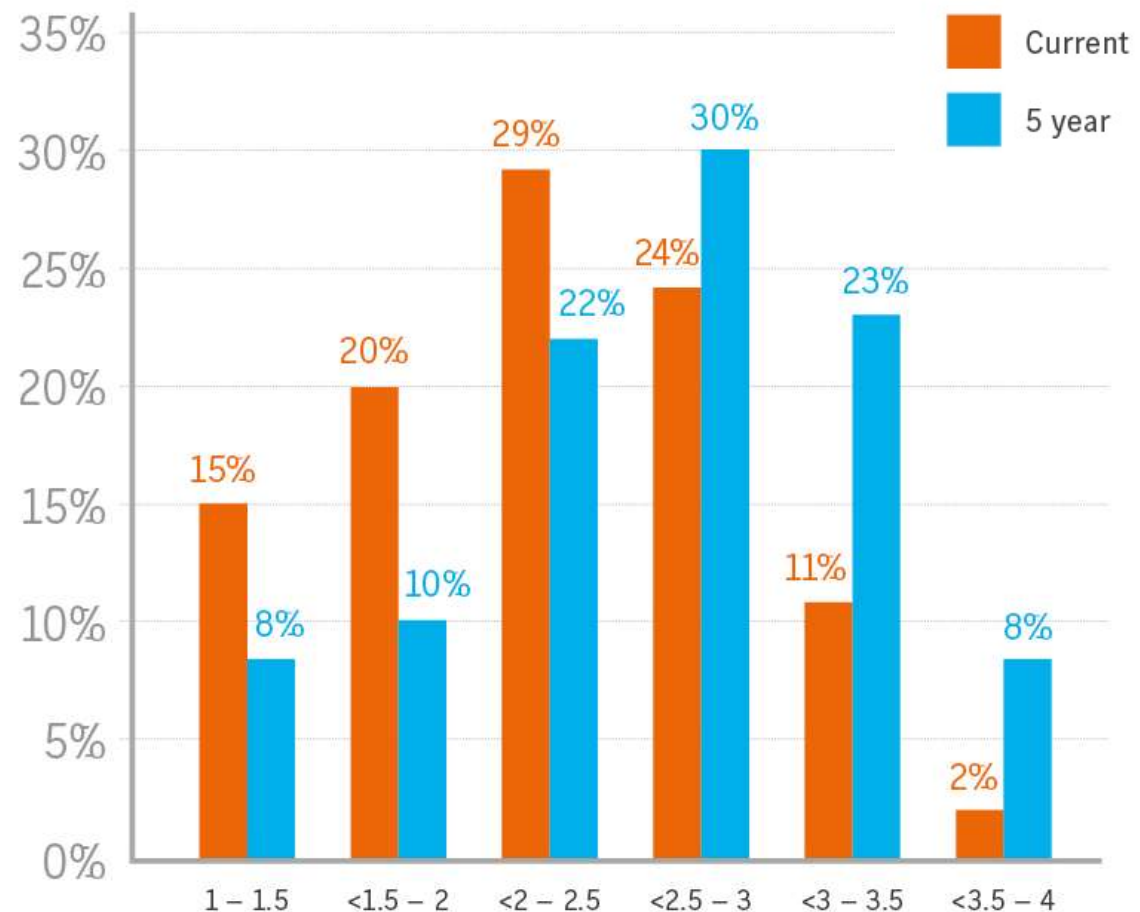
4 sub-dimensions with 4 levels of digital readiness...



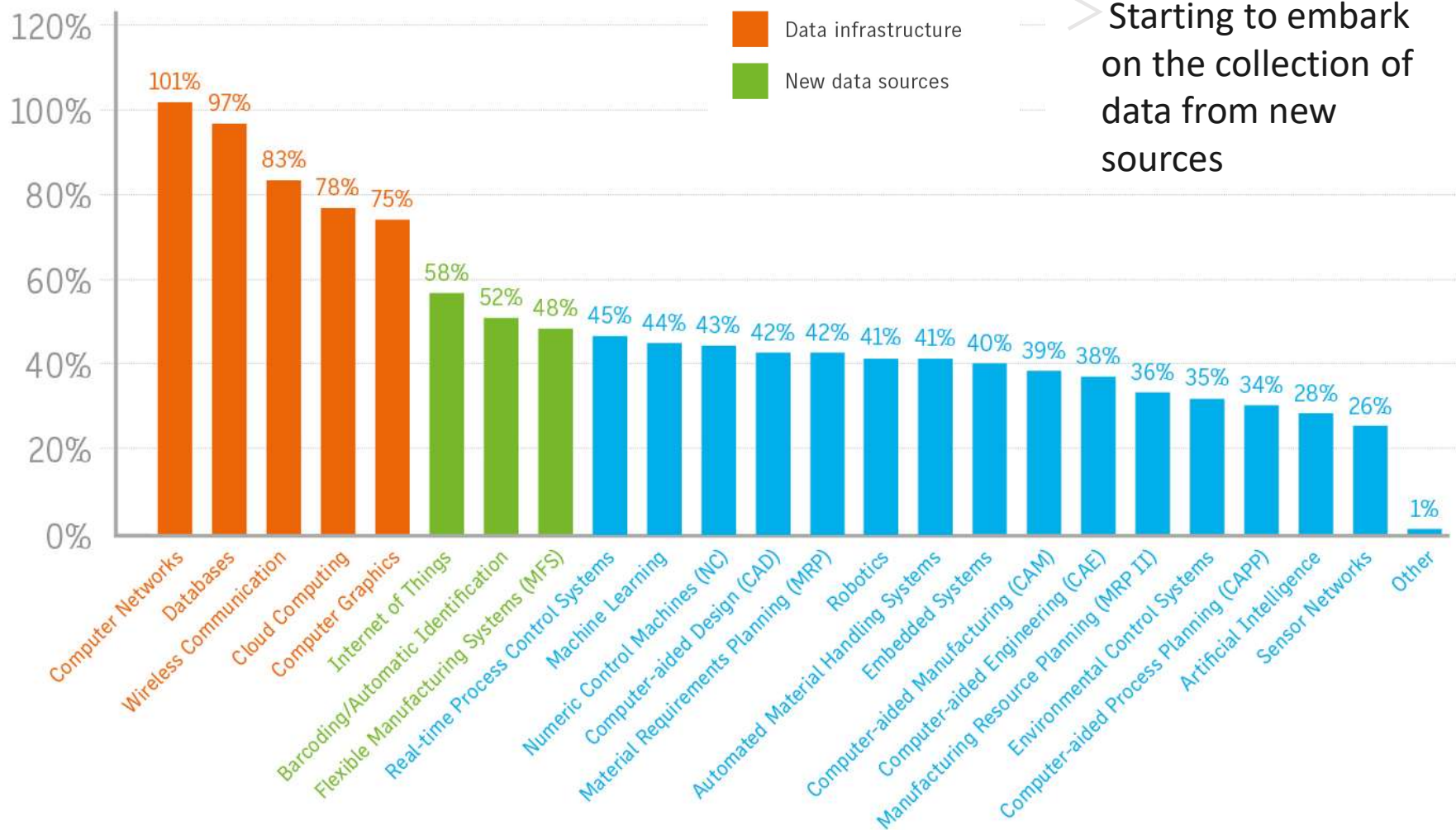
	Level 1	Level 2	Level 3	Level 4
	Visibility	Predictive	Prescriptive	Self-learning Autonomous
Planning frequency	Ad-hoc	Regular with some unplanned changes appropriate to planning cycle	Regular and appropriate planning cycle, with alerts if business conditions change	Continuous planning with real-time response to a change in business conditions
Strategic objective	E2E Visibility Departmental Reporting	Efficiency Functional optimisation	Dynamic end-to-end supply chain business optimisation	Pro-active end-to-end business optimisation with total ecosystem visibility
Digital technology adoption	Processes supported by basic ERP systems Manual S&OP and processes supported by general purpose tools	Specialist tools and professional techniques Some process automation with segmented policy profiling	Incorporates some machine learning and AI connected to Digital Control Tower Mature IBP and connected professional SC tools	Fully digital process Extensive use of AI and ML Autonomous where appropriate
Digitally enabled reporting & analysis	Limited analytics Supported by spreadsheets as required	Analytics tools used for reporting on key metrics, to support cost optimisation	Advanced analytics Migration from deterministic to probabilistic analytics Real-time alerts and recommendations that enable dynamic responses	Autonomous adjustment within defined parameters, with real-time escalation where required

Only 13% companies currently at level 3 readiness

- Level 3 digital readiness predicted to more than double to 31% by 2023



Most companies are only leveraging their data infrastructure



4 strategies to realise your digital potential



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