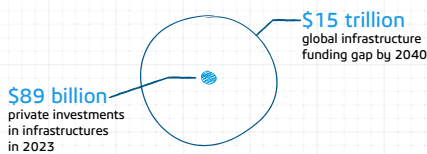


The INFRASTRUCTORS

The Power of Digital Solutions in Delivering Resilient Infrastructure

the executive summary

There is currently a **\$15 trillion funding gap between global infrastructure needs and spending** through to 2030. This comes from a need to update old networks (like energy connections and rail systems) as well as a need to deliver new projects.



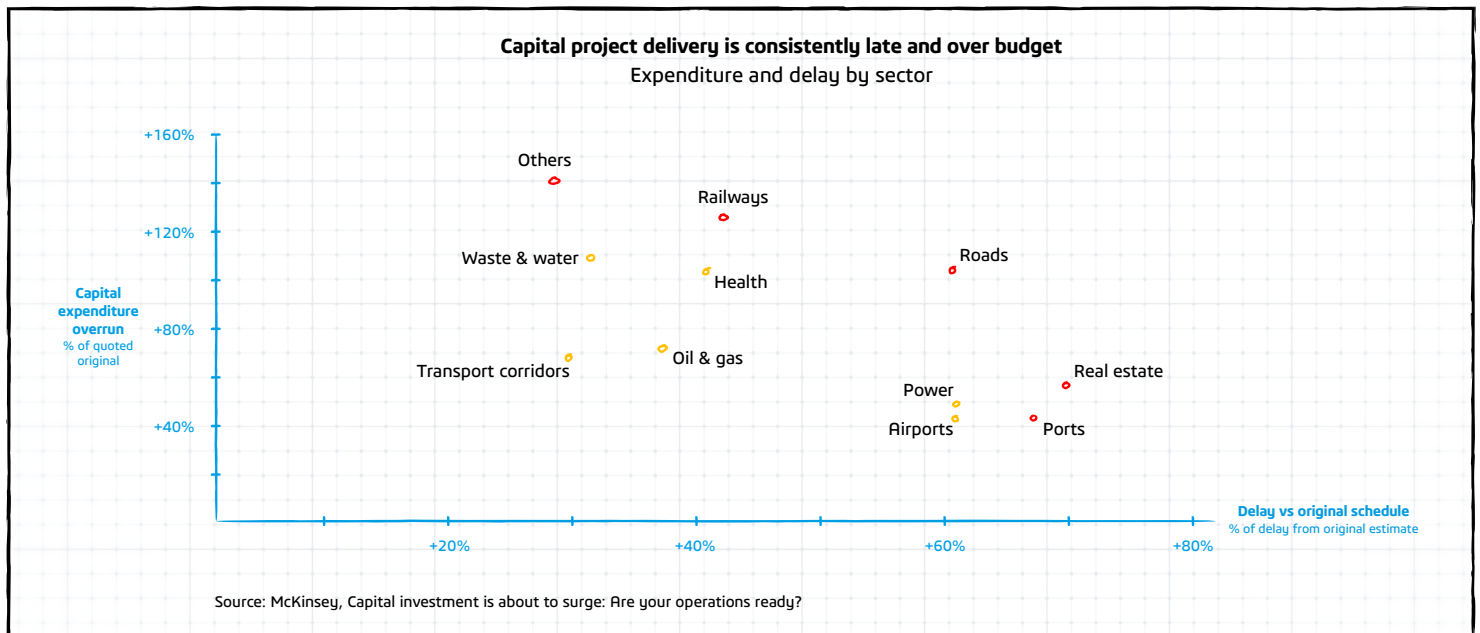
The risk and complexity of infrastructure projects is contributing to these, deterring the investment needed to fill this gap. These factors must be addressed to make the financial case for upgrades.



Virtual twins can be critical for supporting the **delivery of more bankable, less risky infrastructure projects** – KPMG insights suggest that every dollar invested in a virtual twin can mean nine dollars written off the investment.



Once infrastructure projects get green-lighted, virtual twins can offer further support in coordinating development operations, streamlining and reducing risk, and laying the groundwork for management and maintenance frameworks that stretch long into the future.



Effective industry digitalization demands the next generation of engineers be fluent in digital solutions like virtual twins. Dassault Systèmes' Education Experiences, delivered through existing academic programs, offers realistic industry scenarios, facilitating future skills acquisition.



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