

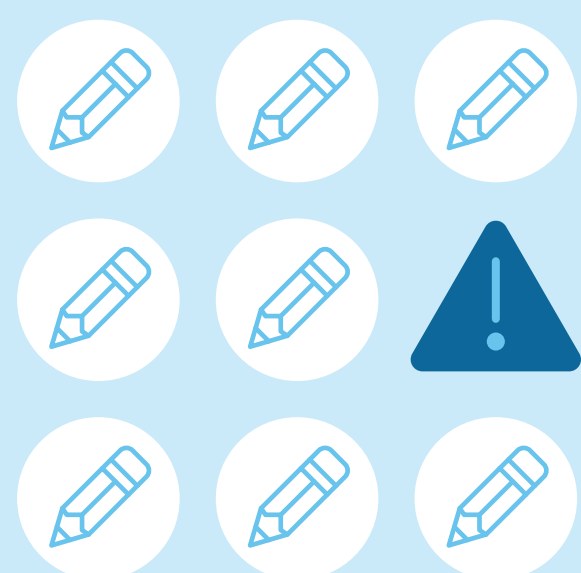
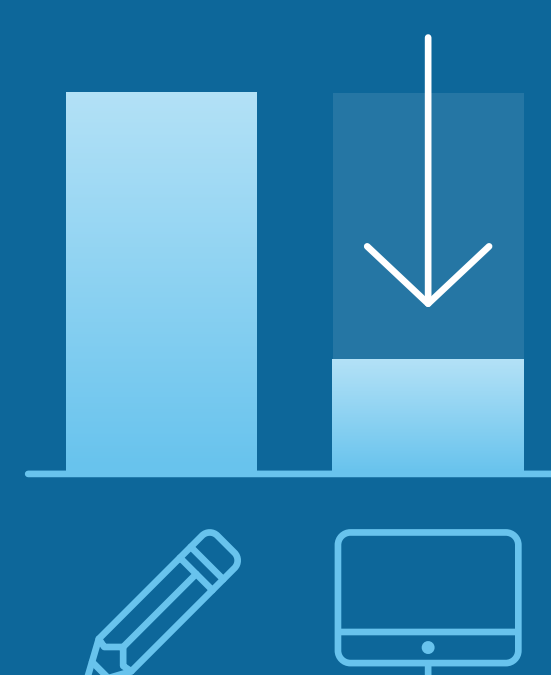
Benefits of a digitally connected QA lab

The promises of digital transformation for laboratories are significant. As well as enhanced processes for laboratory technicians and analysts, there's a raft of broader business benefits too like remote working capabilities and better turnaround time. Start by building the foundations to do the basics brilliantly, then accelerate your transformation with data-driven insights and emerging technologies including automation and artificial intelligence to streamline workflows and shift from a reactive to predictive quality assurance.

Reduced lead times of 60 to 70 percent

Digital labs are able to improve workflows and system integration, enabling shorter testing times and a move towards real-time releases.

[\(McKinsey\)](#)



Error reduction

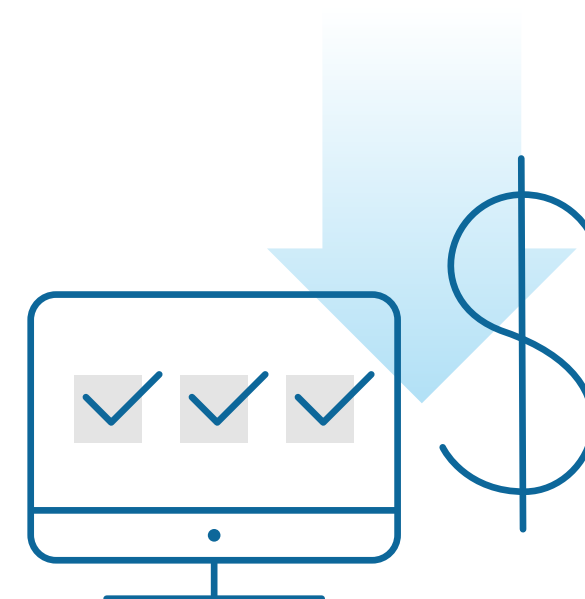
For every 1000 results, a human will make on average 3-6 mistakes, increasing to 30 per 1000 if maths or stress is involved. With fewer manual errors labs can reduce the need for rework by as much as 90 percent.

[\(McKinsey\)](#)

Reduced quality control costs

Labs that have digitalised their processes have found a range of improvements such as management of confirmatory testing and automated result entry through instrument integration, which can reduce the cost of quality control by more than 50 percent.

[\(McKinsey\)](#)



Enhanced business value

70% of labs that have started on digital transformation journey report achieving or exceeding the expected business value

[\(Accenture\)](#)

Future-proofed information security

Paper based records are bulky, insecure and near-impossible to search. Digitisation enables labs to easily prevent, report, manage and respond to data breaches.

Instant compliance

Improved records and searchability can shave weeks off audit preparation time, through pre-built audit reports and barcoded record management. As a result, reports with full audit trails can be produced in minimal time.



Fewer recalls

The average cost of a food product recall is US\$10 million ([Food Safety Magazine](#)), rising to potentially billions in the pharma space ([Allianz](#)) so QA is an essential business function to ensure safety and protect brand reputation.