

Quality Engineering

CQE Quality engineering practice is the discipline of engineering concerned with the principles and practice of product and service quality assurance and control. It is the management, development, operation and maintenance of IT systems and enterprise architectures with a high-quality standard.

CQE's Quality Engineering process consists of analysis methods and the development of systems to ensure products or services are designed, developed and manufactured to meet or exceed the customer's requirements and expectations. Quality Engineering encompasses all activities related to the analysis of a product's design and development processes for the purpose of improving the quality of the product and the production process while identifying and reducing waste in its many forms. Our Quality Engineering methods and tools are developed and implemented using a cross-functional approach involving multiple business and engineering disciplines.

Service features

- Improved planning
- Improved communication
- Defect prevention and early defect removal
- Highly skilled and trained quality engineers
- High levels of automation
- Continuous delivery

Service benefits

- Cost saving, delivering on quality avoiding costly bugs in production.
- Time saving by optimizing the testing approach
- Increased quality and hence greater user satisfaction
- Increase automation
- Higher levels of availability and reduced production outages

Delivery Methodology

In all instances an account manager will be assigned throughout the life of your project. Additional technical staff will be involved in the scoping and costing of projects where necessary, reporting to the account manager.

Our managed services are delivered through our permanent, skilled delivery team and can be deployed either on- or off-site depending on a client's requirements. Our highly versatile teams are experienced across a range of industry sectors, technical environments and tools.

At CQE, we offer Quality Engineering Consulting for companies who recognize the need for improvements to their established quality systems. Our team of experienced subject matter experts may provide:

- Strategic quality engineering consultancy, test automation, performance engineering and managed test services. Our team works across a broad range of tools and technologies, taking an agnostic approach to ensure the best-fit solution.
- Guidance in the development of a strategic plan to implement Quality Engineering within your organization
- Insight into the current status and effectiveness of your quality systems
- Direction and coaching for your management teams while establishing or improving your Quality Engineering processes
- Documents and templates required to accelerate the development and implementation of your quality assurance and control systems

CQE's Quality Engineering Consulting can provide the catalyst needed to get your Quality Engineering processes moving forward. Effective implementation of Quality Engineering methodologies and tools within your organization will improve communication across the engineering function. Quality Engineering tools can improve product quality and reduce development cost through more efficient processes and reduced waste. Proper implementation of Quality Engineering will enable you to produce high quality solutions that meet or exceed your customers wants and needs while reducing development time and cost, resulting in a profound effect on how your service is viewed.