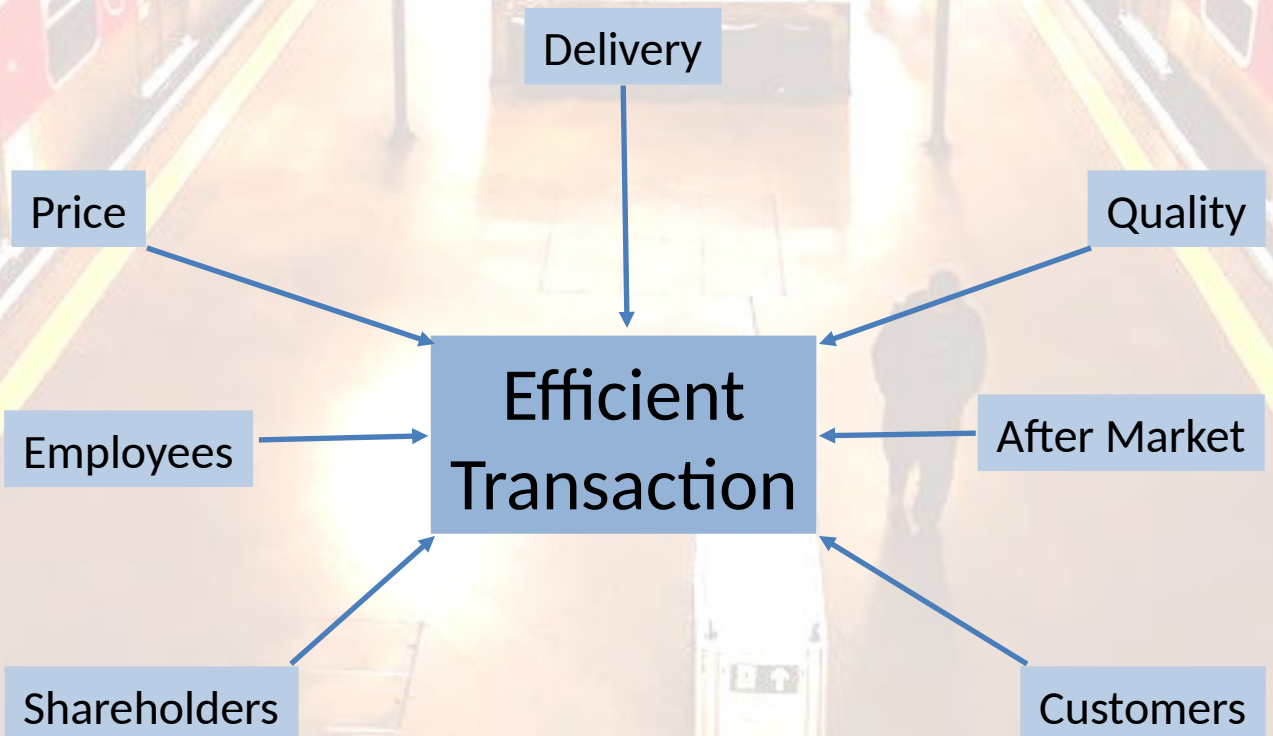


Productivity Apprenticeships

Level 4: Improvement Practitioner
Apprenticeship (Ref: STO192)

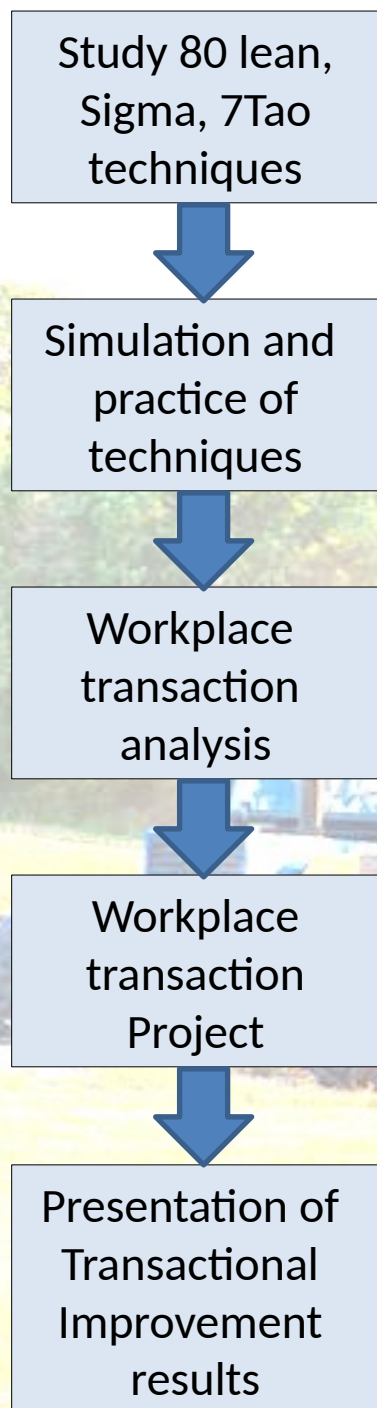




- Improvement Practitioners use a blend of Lean and Six Sigma, project and change management principles and tools to identify and lead the delivery of change across organisational functions and processes. Improvement Practitioners can be found across all sectors and functions including automotive, banking, engineering, food products, IT, property, retail, telecoms etc.
- Typically, Practitioners lead smaller projects and/or play a key supporting role in a larger programme – tackling issues that may require swift problem solving, or re-occurring challenges that require in-depth analysis and the implementation of a range of effective and sustainable countermeasures. They are the focal point for all stakeholders and responsible for communication throughout a project. Typical activities include:
 - Identifying potential opportunities, diagnosing issues, proposing solutions and implementing changes and controls
 - Coaching teams and sharing best practice
 - When leading projects they may manage small teams ensuring motivation and momentum, and be responsible for the successful
 - There are a variety of job titles associated with the occupation, these include, but are not limited to: Business Improvement Practitioner, Continuous Improvement Manager, Process Excellence Manager, Lean Six Sigma Green Belt and Quality Control Senior Analyst.

Apprentice can choose from over 500 techniques, some of which are displayed below:

Training Process



Compliance: Communication: Speak and write clearly. Influence others, question effectively. Plan and deliver meetings presenting insight.

Coaching: Project management: Define, sequence, plan and schedule activities with phases and milestones. Estimate effort and duration. Create and update project charter. Review progress

Change management: Sponsorship contract, surface and manage resistance, build compelling narratives for change.

Principals and Methods: Select and apply a structured method and appropriate improvement tools engaging with subject matter experts to deliver business benefits

Project selection and Scoping: Support the identification of improvement opportunity and the scoping of these projects

Problem definition: Voice of the customer: Support application of techniques to identify and prioritise customers, their requirements and ensure balance against the stated and unstated needs of the business (Voice of the Business)

Process mapping & analysis: Process map to measure and analyse flow and value. Identify interfaces, functional responsibilities.

Lean tools: over 256 lean tools and techniques. Measurements systems: Plan, carry out and assess results of a measurement system study

Data acquisition for analysis: Basic statistics & measures: Use graphical analysis to understand distribution and stability

Data analysis-statistical methods: Identify data-types and select analysis methods and tools. Assess time series data stability and analyse making relevant insight

Process capability, performance, Root cause analysis: Select and apply the appropriate graphical tool dependent on the data type to identify patterns, trends and signals to establish hypothesis

Experimentation & optimisation: Plan designed experiment with clear objectives, and appropriate levels of Measurement Systems Analysis, analyse experiment data and optimise

Identification & prioritisation: Data analysis – SPC: Select and apply appropriate tools for ongoing monitoring and control. Analyse and interpret control charts. **Benchmarking:** Conduct structured benchmarking to support target setting. **Sustainability & control:** Identify failure modes and embed learning from improvements

Learning from a bank of 256 defensive techniques involving lean, 6 Sigma and 7Tao

Once the student has selected the project they want to do and has learned from a bank of 256 techniques, they will need to test their knowledge.

Application of techniques learned in classroom to a modeling environment

We create a simulated environment of competition where students can apply their skills against other teams and see how good they are.

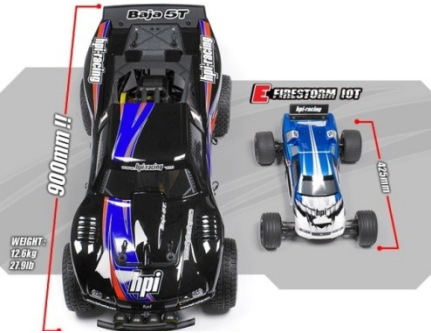
High pressure environment with excellent learning parameters of engineering models from across air sea and land.

The aim is to win against heavy transactional competition from other teams who will use every trick in the book to win.

The simulation is exciting, enjoyable, stimulating, testing and well appreciated throughout your organization.

Test the techniques in a simulation and apply to the workplace after simulated assessment

We will provide over 512 tools for the student to allow them to improve their jobs within their organization. The student will recognize what they need to achieve and how they want to achieve.



A hand holding a Samsung smartphone with a purple case. The screen shows a contact list with a grey header and a blue header. Overlaid on the screen is the text 'Contact us:'. Below this, the email address 'e: info@7tao.co.uk' is shown in blue with a red underline. Below that, the website 'w: www.7tao.co.uk' is shown in blue with a red underline. At the bottom, 'Google: 7Tao' is written in black. The background is a blurred image of a person's face wearing sunglasses.

Contact us:

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w: www.7tao.co.uk

Google: 7Tao