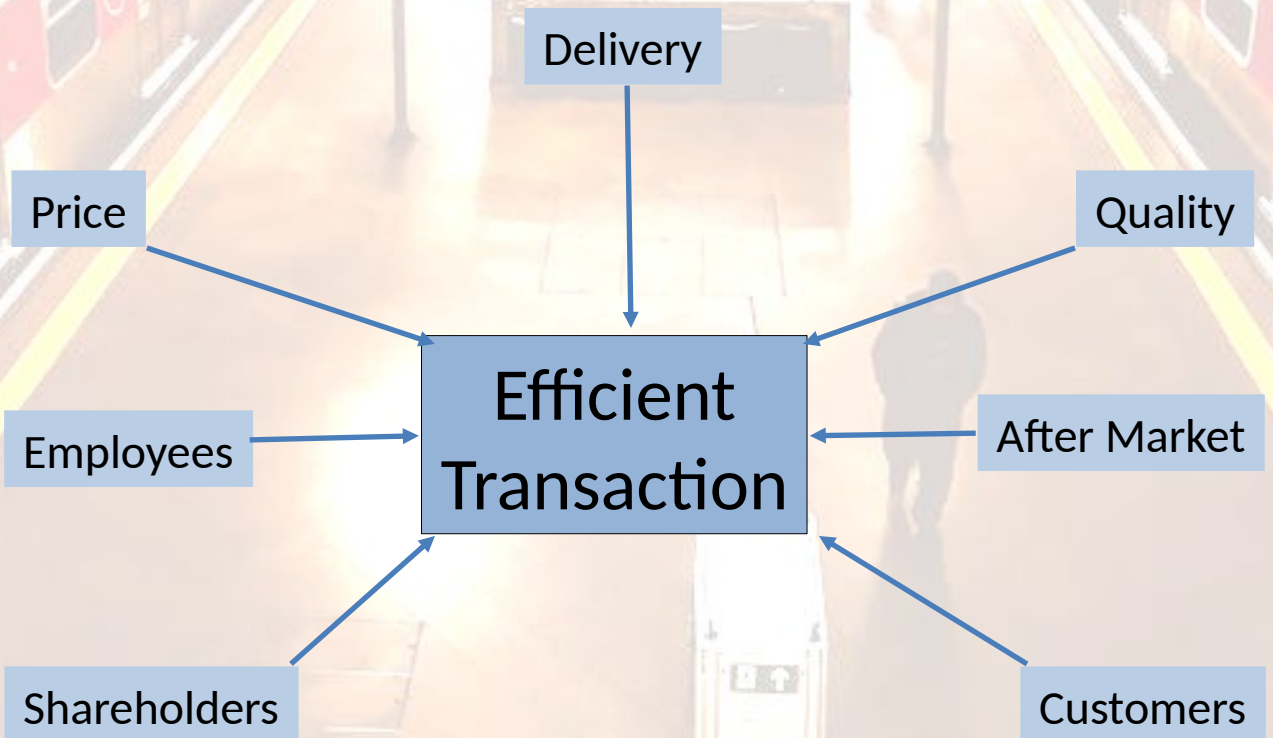


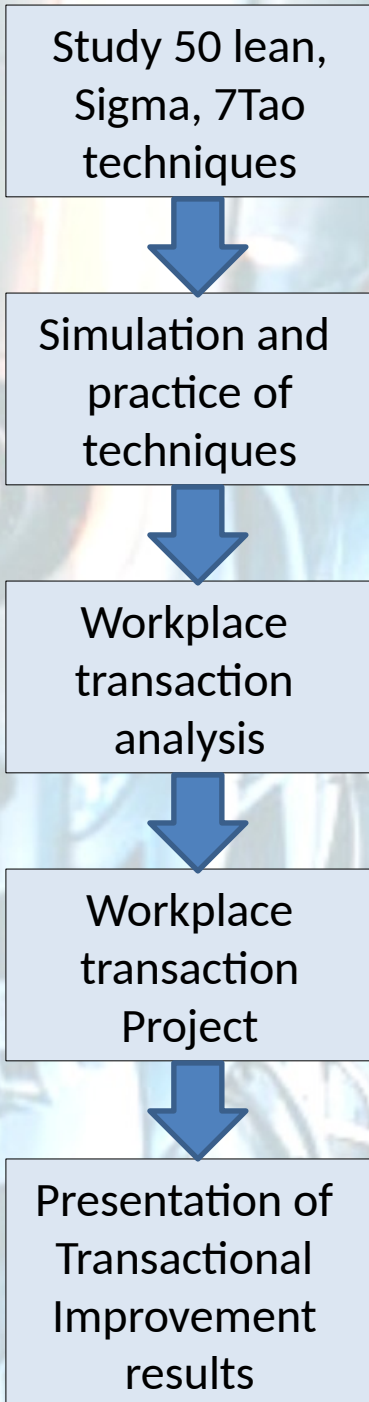
Productivity Apprenticeships

Level 3 : Improvement Technician
Apprenticeship (Ref: **STO193**)



- Improvement Technicians are responsible for delivery and coaching of improvement activity within an area of responsibility, often associated with Lean and Six Sigma methodologies. They can be found across all industry sectors and functions including automotive, banking, engineering, food products, IT, property, retail, telecoms etc.
- Typically, Technicians work as a member of an operational team to resolve problems - preventing re-occurrence, engaging others in issues affecting them and to support the improvement of performance. Typical activities include:
 - Engaging team members in the identification of improvement opportunities and relevant countermeasures and controls
 - Initiating and facilitating improvement activities through to confirmed resolution
 - Providing local expertise in business improvement methods and basic tools to team
- There are a variety of job titles associated with the occupation, these include, but are not limited to: Business Improvement Co-ordinator, Continuous Improvement Executive, Process Technician, Operational Excellence/Lean Engineer, Lean Six Sigma Yellow belt and Quality Control Analyst.

Training Process



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

- Compliance: Team formation & leadership:
- Self-development: Project management: Change management: Principles & methods: Six Sigma principles, Lean principles
- Project selection & scope: Problem definition:
- Process mapping & analysis: Data acquisition for analysis: Data stratification, sampling theory, data types, variation types and sources, data collection tools, operational definition and principles of measurement error
- Basic statistics & measures: Control charts
- Process capability & performance: Capability analysis - continuous data
- Root cause analysis: Histograms
- Experimentation: Active analysis versus one factor at a time, Plan Do Check Act
- Identification & prioritisation: Brainstorming, selection criteria
- Sustainability & control: Process
- Lean tools: Apply techniques such as identification and removal of 8 wastes, 5S (Sort, Shine, Set, Standardise, Sustain), standard work, kaizen, visual displays and controls, error proofing, preventative maintenance
- Process capability & performance: Analyse product/process performance using good quality data
- Root cause analysis: Use cause and effect diagrams, technique of 5 whys and graphical analysis to understand and verify root causes
- Identification & prioritisation: Identify and prioritise improvement solutions
- Benchmarking: Recognise the value of sharing best practice
- Sustainability & control: Create control and reaction plans with detection measures, identify opportunities to embed changes to leverage benefit to the business.

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.

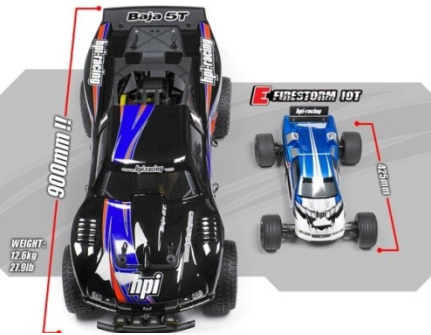
High pressure environment with excellent learning parameters of engineering models from across air sea and land.

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 the 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 search bar and a grid of contact icons. Overlaid on the screen is the text 'Contact us: e: info@7tao.co.uk w: www.7tao.co.uk Google: 7Tao'. The background is a blurred image of a person's face wearing sunglasses.

Contact us:

e: info@7tao.co.uk

w: www.7tao.co.uk

Google: 7Tao