



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



TIA's Technology Stations Programme

The Technology Stations Programme (TSP) was established to enable Universities of Technology (UoT) to provide technology development services to small and medium enterprises (SMEs). The Technology Stations (TSs) provide innovative Science, Engineering and Technology (SET) solutions for complex engineering challenges within the relevant industrial sectors aimed at supporting government's socio-economic priorities. There are 18 Technology Stations (TS) based at 11 Higher Education Institutions in South Africa, managed by the Technology Stations Programme (TSP) Unit based in Pretoria at the Technology Innovation Agency (TIA) office. The TSP is a management and systems-wide support unit responsible for all Technology Stations across the country.

Technology Stations are well positioned to support industry, particularly SMEs and Higher Education Institutions. Their activities offer opportunities to bridge the gap between local suppliers and industry to take advantage of the recapitalization and expansion programmes by enhancing competitiveness of local suppliers through technology improvement. They also provide technology transfer infrastructure that plays a critical role for transferring technologies from Higher Education Institutions to technology users. The Department of Science and Innovation (DSI) provides financial support through TIA, to Higher Education Institutions (HEIs) which house Technology Stations to provide technical support to SMEs in terms of solutions for services and training.

IAT – TUT - Institute of Advanced Tooling, Tshwane University of Technology

The Institutes for Advanced Tooling (IATs) are positioned to be occupational centers of excellence for Skills Development Technology Transfer and Diffusion to accelerate the country's growth in the Tool, Die & Mould (TDM) making sector (Tooling sector), through the core business of promoting sustainable tooling in collaboration with international leading tool making private institutions, academia and the local tooling industry. The aim is to change tool manufacturing from a resource-driven process to a knowledge-driven process by offering a well-balanced combination of technology enablers for all steps of the extended product life cycle to SME's in the tooling sector.

The key objectives of the IAT-TUT are to Improve the competitiveness of SMEs in the tooling industry through the growing of highly skilled and educated workers with challenging jobs, which are capable to deliver quality products and processes that meet the OEM requirements; and deliver a new paradigm of high added value tools and tool making business models that will reposition tool and die makers as key strategic partners in the value chain in accordance with relevant industry needs.

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