



# National Tooling Initiative Programme **ntip**

Consumer products of the future will boast a high content of technology, innovation, customised design and servicing. Technology, knowledge and innovation will be the key elements that shape the competitiveness contest. With the full convergence between the digital and physical manufacturing worlds underway, the planet appears to be heading into a fourth industrial revolution. The stakes, for countries and companies to successfully navigate this transition, are high. The ongoing battle for global manufacturing supremacy will eventually belong to the countries that prioritize a comprehensive innovation agenda to remain attractive to global markets.

To be competitive in the new global manufacturing economy of the future South Africa will have to take note of the challenges presented to the manufacturing and Tool, Die and Mouldmaking (TDM) industries, especially with regards to skills and enterprise development. South African manufacturing needs an aggressively modernised and progressive tooling sector, supported by a globally competitive technical skills pool. The Intsimbi National Tooling Initiative (NTI), initiated by the Toolmaking Association of South Africa (TASA) and the Department of Trade and Industry (the dti) with the purpose to revitalise the local tooling industry, is a prime example of the radical type of interventions required to enhance South Africa's manufacturing and TDM industries' global competitiveness. The NTIP, as implementing agent for the Intsimbi National Tooling Initiative has developed and introduced the TDM Powered Skills Development and Enterprise Development programmes that have already made a substantial contribution to address the challenges facing the local TDM industry.

The NTIP's TDM Powered Skills Development and Enterprise Development programmes focus on the following two challenges:

1. Re-development and alignment of SA's manufacturing skills delivery capacity with that of leading re-industrialising manufacturing economies globally. The portfolio comprises:
  - Development of training systems and solutions
  - Development of curriculum content
  - Career guidance
  - Recruitment and selection of students
  - Life skills
  - Development of remedial programmes
  - Advanced training support at tooling centres of excellence
  - Provision of facilitation and interface management of stakeholders
  - Execution of programmes
2. Providing focused Enterprise Development support to SMME's in the TDM sector through benchmarking and intervention support to stimulate competitiveness improvement, localisation of tooling and job placement of artisans exiting the new skills delivery system.



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