



PO Box 11075

Vorna Valley

Midrand

South Africa

1686

E-mail: [admin@saimc.co.za](mailto:admin@saimc.co.za)

# SAIMC NPC

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## The NTIP Program

### History

The National Tooling Initiative Programme (NTIP) is the Intsimbi National Tooling Initiative's (Intsimbi NTI's) project management company. The NTIP acts as implementing agency and is responsible for the facilitation and management of all Intsimbi NTI programmes.

The Intsimbi NTI is a national (South African), multi-stakeholder initiative that was established under the auspices of the Department of Trade and Industry (the dti) and the Toolmaking Association of South Africa (TASA) to implement a turnaround strategy for South Africa's distressed tooling industry. The aim of the Initiative was to enable government and industry to cooperate on the large-scale interventions required to rehabilitate the South African Tool, Die and Mouldmaking (TDM) sector and to embark on a robust rehabilitation programme to put the local industry on a firm trajectory to international competitiveness. The partnership between the tooling industry (TASA) and government (the dti) on the development and implementation of the Intsimbi NTI Programme is governed by an overarching memorandum of agreement (MOA) and is supported by an annual service level agreement (SLA) between the two parties.

### The New NTIP

Minister of Trade and Industry Rob Davies launched the new expanded NTIP initiative, a skills development programme, in Cape Town on 14 June 2018 where the SAIMC was also invited. The President (Annemarie van Coller), Vinesh Maharaj (Director), Chief Operating Officer (Johan Maartens), SAIMC Team Leader Industry 4.0 (Marc Van Pelt) and Cape Town Branch Chairman (Wade Shuttleworth) attended the opening.

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Directors: VV Maharaj Pr.Eng, AO Sematle Pr Eng, MJ Maartens Pr Eng,

93 Berger Road, VORNA VALLEY, MIDRAND

Tel.: 0861072462, Fax: 0866515238

The Minister said that the NTIP would no longer be the National Tooling Initiative, but would be named the National Technologies Implementation Platform (NTIP), the same acronym because of its international standing,”

### **What this means for the SAIMC**

The tooling industry had problems finding education and training for the tooling industry. The tooling equipment was too expensive for education institutions and the curriculums did not cater for this education.

Over the last decade the NTIP initiative developed and implemented an education system whereby employees in the tooling industry could obtain incremental certificates that was accepted and developed in conjunction with industry.

People could start in the NTIP program, obtain a level of education with practical experience and be employable in industry. As soon as they were ready, they could return to the NTIP program and enrol for the next level of expertise (also defined and developed in conjunction with industry).

This continued until the individuals were satisfied with the level reached while the incremental qualification made it possible to obtain a diploma or degree at certain stages of the education.

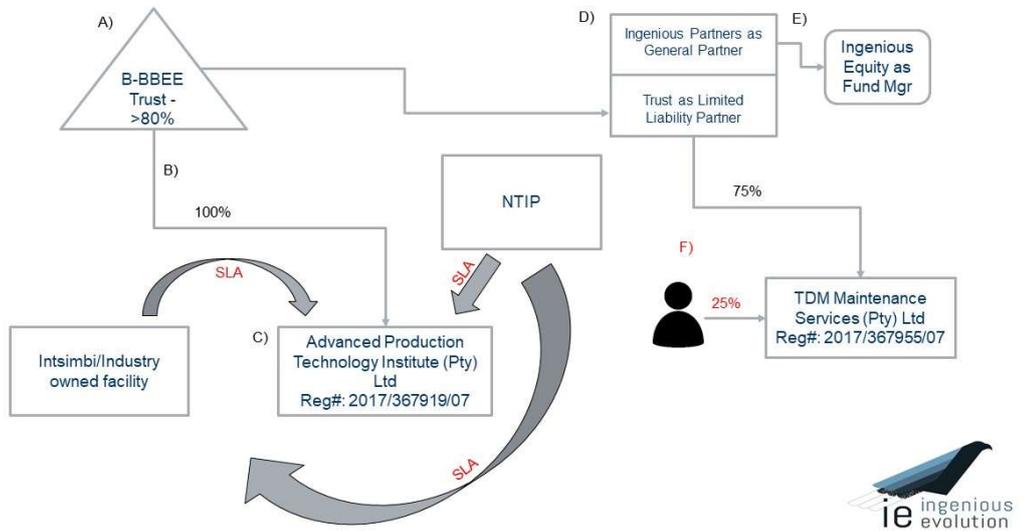
The SAIMC saw the opportunity to use the system developed over the many years and develop a similar education system for Automation. This involves the following:

- Define the real gaps that graduates face when they complete their studies and identify training programs that could form part of the incremental qualification system
- Develop the curriculums for Technicians, Technologists and Engineers that also comply with the Dublin, Sydney and Washington Accords respectively in order for graduates to register with the Engineering Council of South Africa
- Search for current education programs that can be used in the development of the new Automation qualification
- Identify education institutions that already have the required curriculums and if none can be found, identify education institutions that are willing to work with the SAIMC to develop these curriculums and supply them with the necessary knowledge and equipment to train Automation personnel.
- As far as funding is concerned, the NTIP has already developed Trust Funds in which major motor industry manufacturers channel funding for the program while at the same time obtain valuable B-BBEE points.

To this end NTIP is establishing “NewCo” NPC for industry that will receive funding from currently established ESD Trusts. These Trusts have been established by major motor manufacturing entities that are done in such a way that these companies are able to score B-BBEE points for their contributions. Other entities like the SAIMC has joined force with the IFPTI program and request NTIP to establish a ESD Trust based on the same principles and managed by the same Fund Manager as part of the greater IFPTI program. These Trusts will be managed by representatives from industry.

These Trusts (and any future Trusts) are being managed by Ingenious Equity as Fund Manager.

**New Structure**



The funds from industry will contribute to their B-BBEE points and will also contribute to the establishment of a tertiary education institution under the Advanced Production Technology Institute (Pty) Ltd, satisfying both of industry's needs.

As far as NTIP is concerned, the SAIMC has defined the team that will interface with them and will be expanded to cater for new developments in the program:

- Johan Maartens – Coordinator
- Vinesh Maharaj and Annemarie van Coller – Strategy component
- Marc Van Pelt – Industry 4.0 component
- National Patron Members – Appointing Trustees for the Trust Fund
- Prof. Ralph Naidoo – Heading up the team to establish the Technician, Technologist and Engineer qualifications
- Members – Define the requirements of the Automation industry in order to establish incremental certifications

Activities that needs to happen next:

- **Strategy.** Set up the strategy in line with the NTIP and update the rest of the team
- **ESG Trust.** Arrange a presentation by Ingenious Equity Fund Managers to ensure that contributors can indeed get B-BBEE points for their contributions. Then appoint Trustees for the SAIMC ESG Fund and work with NTIP to get it established
- **Education Framework.** Set up a team with Prof. Ralph Naidoo to establish levels of outcomes. This is not the Technician / Technologist / Engineer qualifications, but what levels of Education does the student have to reach before they will be useful to industry. If they want a formal qualification, they can re-enter the system and continue their education.

- **Tertiary Institution.** Those that fall under the DHET will be funded by the DHET and be dependent on them to get the criteria of the institution in line with the requirements of industry. If we do not get satisfactory response from existing tertiary institutions, we will establish the SAIMC tertiary institution that will receive funding from the SAIMC ESD Trust while falling under the Advanced Production Technology Institute (Pty) Ltd Reg#: 2017/367919/07.

Johan Maartens Pr. Eng.

Chief Operating Officer