



the dtic

Department:
Trade, Industry and Competition
REPUBLIC OF SOUTH AFRICA



NATIONAL QUALITY and PRODUCTIVITY NETWORK (NQPN) OVERVIEW

**Quality and Productivity Improvement (*Kaizen*) Project
in the Republic of South Africa
(2022-2027)**

QUALITY AND PRODUCTIVITY IMPROVEMENT(Kaizen) PROJECT IN THE REPUBLIC OF SOUTH AFRICA

- **the dtic** and the South African office of the JICA” are collaborating to implement the Quality and Productivity Improvement (QPI) Project South Africa from 2022 to 2027.
- The purpose of the QPI Project is to strengthen the capacity of the dtic and its partner organisations that promote Quality and Productivity Improvement (QPI) activities nationwide.
- To achieve this purpose, the dtic established the **National Quality and Productivity Network (“the NQPN”)** and its management team. AIDC-EC, AIDC-GP, AITF, ASCCI, Plastic SA, Productivity SA, PtSA, and JICA
- Targeting lower-tier component manufacturers in the automotive value chain, extending to metals and plastics in the EC,KZN,GP and WC.
- To include other provinces and sectors such as chemicals, clothing and textile and agro-processing.
- The QPI project is to extend to the six SEZs with skills development centres, namely Coega, Richards Bay, OR Tambo, TASEZ, Saldanah Bay, and East London.

Outline of the NQPN

- ❖ Reasons why the project needs the NQPN are threefold, 1) to **maximize its impact** of training delivery, 2) to **align with ongoing programs**, and 3) **utilize sector specific technologies** in the organizations.
- ❖ Qualifications of the members are ones that 1) **share common value** of the QPI promotion, 2) **justify QPI activities in their own activity/work plan**, 3) **disclose key information** on QPI activities, and 4) contribute to **promote awareness creation** in the country.
- ❖ Members of NQPN are **the dtic**, AIDC-EC, AIDC-GP, AITF, ASCCI, Plastic SA, Productivity SA, PtSA, and JICA.

National Quality and Productivity Network (NQPN) 2022 - 2027

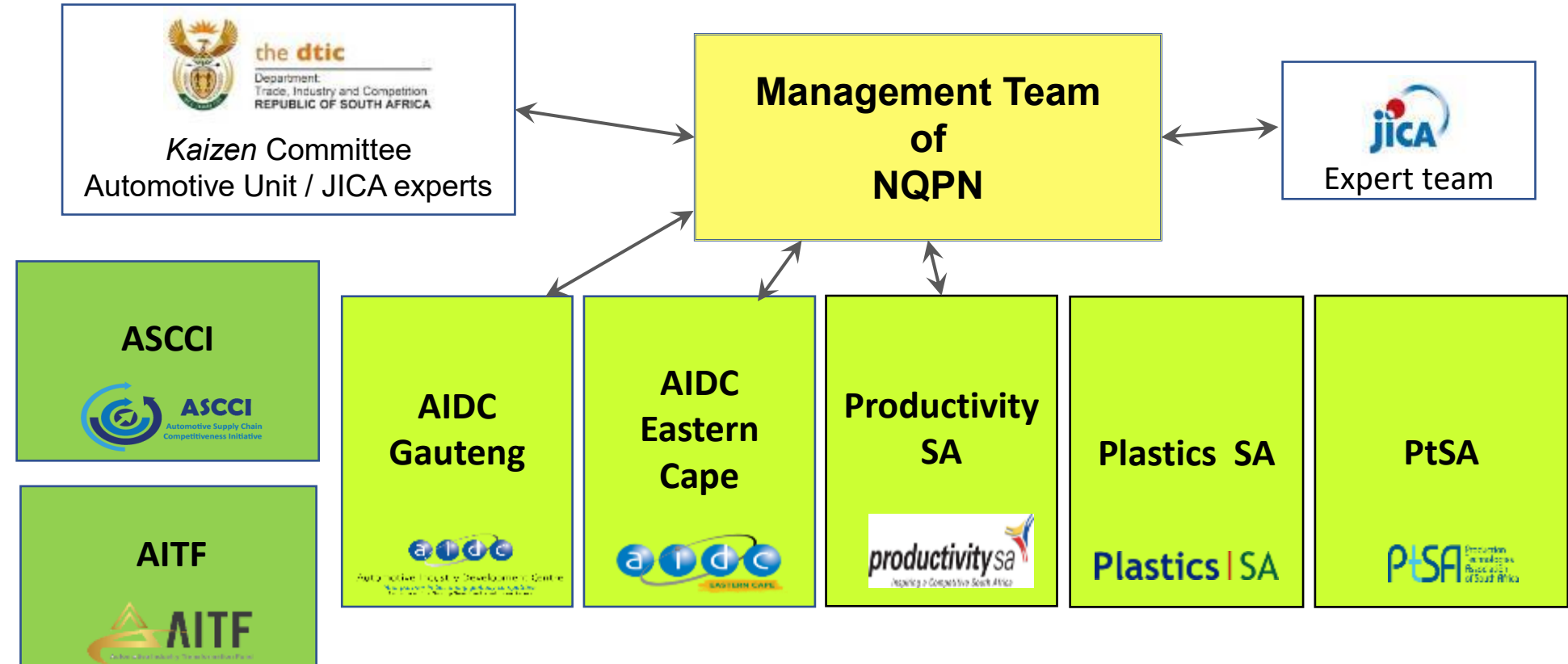
Executive Committee of the NQPN
(Joint Coordinating Committee (JCC) of the Project)



AUDA-NEPAD
Africa Kaizen
Initiative (AKI)

Centers of
Excellence

Members of NQPN



Collaborators

Universities and
academic institutes

SEIFSA

SEDFA

CSIR/NCPC

QCTO

merSETA

ServiceSETA

Durban Auto Cluster

Kaizen Institute of SA

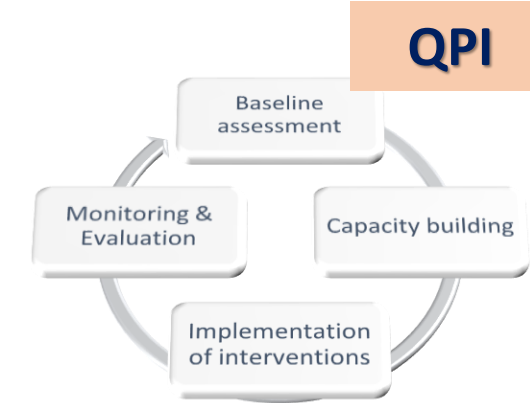
Activities of the NQPN

- 1) To plan and **implement training programmes** for **the QPI** trainers/consultants and the target enterprises/organizations, based on each member's work/business plan, in collaboration with other members and the JICA experts.
- 2) To plan and promote activities to **share knowledge, know-how, technologies**, and other information to promote **the QPI** activities among the members.
- 3) To plan and promote awareness creation and **mutual learning activities on the QPI among broader stakeholders** of business and job opportunities, including international organisations.

Overall Plan of Kaizen Training Courses in 2023-2027

Fiscal Year	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
FY2023					1st Basic Kaizen Course (24 consultants /20 firms)							1t TOT (10)
FY2024	TOT for Basic (10t/12C/11f)				2nd Basic Kaizen Course (20 consultants/ 17 firms)						2nd TOT for Basic (14t/19c/18f)	
					Digital			Digital			Digital	
FY2025	2d TOT Basic			Intermediate Kaizen course (15consultants/15 firms)							3d Basic Kai. (30 co/30 fir)	
FY2026	3d Basic Kaizen			TOT for Intermediate Kaizen course (10 trainers/10 firms)							3d TOT for Basic (15t/120/20f)	
FY2027	3d TOT Basic											

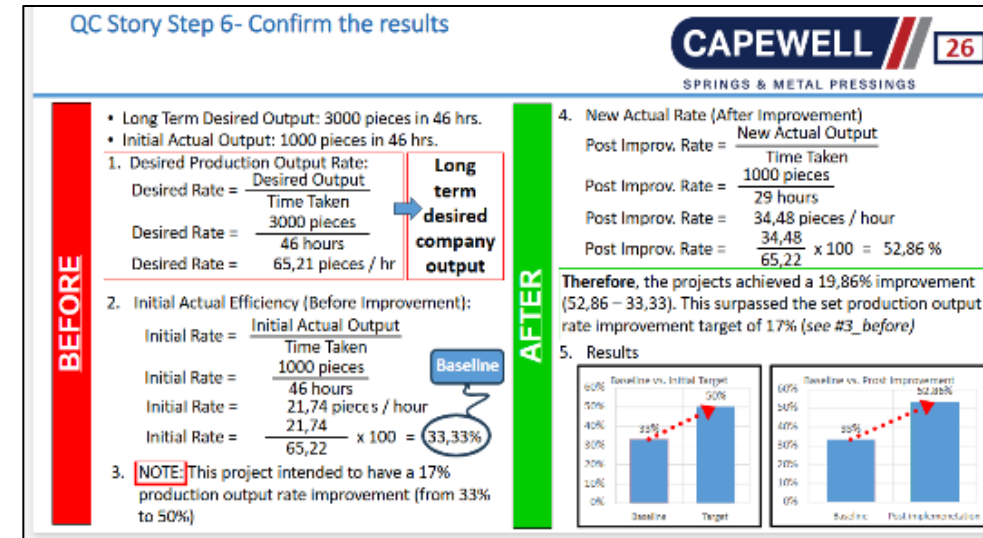
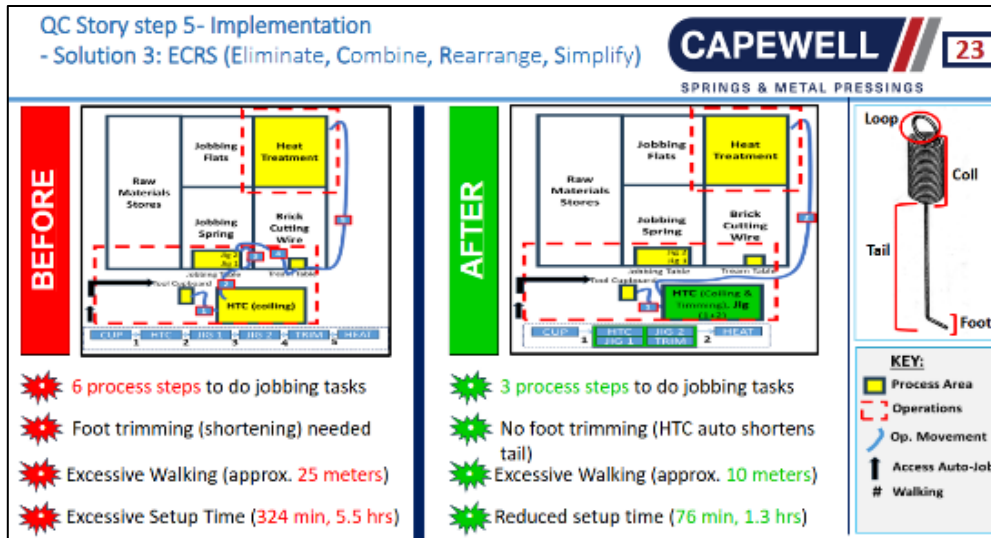
CASE STUDY: CAPEWELL SPRING - QPI



Capewell (Pty) Ltd, founded in 1981, manufactures high-volume metal pressings and springs for the automotive, agriculture, construction, textile, and electrical sectors.

Baseline Assessment Outcomes:

- **Processes:** Manual steps like foot bending, coil trimming, and loop bending were inefficient.
- **Wastes Identified:** Excess motion, long lead times, transport, waiting, and over-processing.
- **Root Causes:** Inefficient layout, lack of SOPs, batch production, and absence of lean systems



JAPAN STUDY TOURS

Study Tour 1: (QPI) for Automotive South Africa
Tokyo & Nagoya, Japan 17 to 28-June 2024

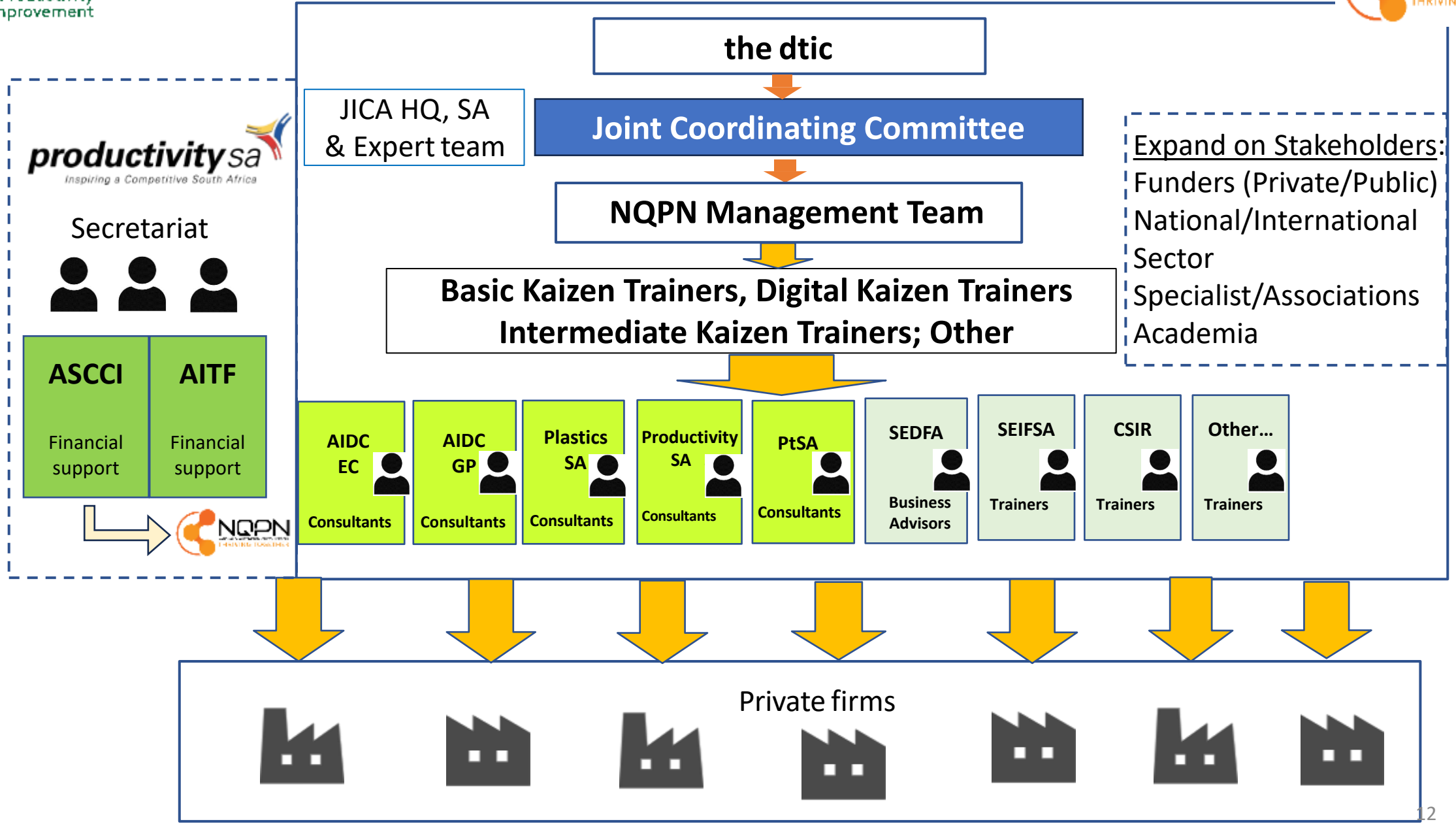


Study Tour 3: QPI) for Automotive South Africa
Tokyo & Nagoya, Japan 24 May to 08-June 2025



Study Tour 2: Digital Kaizen
Tokyo, Japan 19 Jan to 01 Feb. 2025





Phase	Key Activities	Lead Responsibility
Phase 1: Preparation (November 2025 to March 2026)	Confirmation of mandate, formation of transition task team, and mapping of JICA deliverables.	the dtic / JICA / Productivity SA
Phase 2: Transfer (March 2026 – Dec 2026)	Handover of tools, databases, training materials, and project documentation.	JICA / Productivity SA
Phase 3: Institutionalisation (April 2026 – March 2027)	Establish NQPN Secretariat, formalize network agreements, launch national programme under Productivity SA.	Productivity SA
Phase 4: Sustainability (Year 2 onwards)	Implement funding and performance frameworks, expand partnerships, and report on national impact.	Productivity SA / dtic