

CONFERENCE



MIND SHIFT

INNOVATION, DIGITISATION & SKILLS IN THE SOUTH AFRICAN MINING SUPPLY CHAIN.

EXPLORING KEY TRENDS IN INNOVATION &
HARNESSING 4IR TECHNOLOGIES IN
DESIGN & MANUFACTURE FOR
THE SA MINING INDUSTRY.

MAY
20²³



Topics include:

- How innovation can be fostered
- The requirements for skills & change management
- Impacts on employment
- Harnessing technology for sustainability
- Collaboration as a catalyst for innovation



4IR, EMPLOYMENT AND WORK – REPORT ON A SEMINAR WITH UNION LEADERSHIP,
BY: TEBOGO MDHLULI

EXECUTIVE SUMMARY

WHAT WAS THE ASK?

- Create a platform to engage and unpack the 4IR makeup
- Create transparency on what aspect of 4IR are impacting mining sector
- Identify the near term technologies and innovation already impacting the mining sector
- Understand the impact to WORK / WORKER / WORKPLACE
- How does this impact the FUTURE of WORK in the Mining sector

WHY THE NEED?

- Without this unpacking, how will we inform why specific activities are being deployed in the operations in mining?
- How is the role of union leaders being bolstered to move with the times?
- The effective and re-imagined role of union leaders in future of work as a relevant representative to the emerging worker of the future engaging in strategic workforce planning and sustainability (ESG) and Future Forums dialogue

HOW DID WE SOLVE FOR THE ASK/NEED AND OBJECTIVE SET?

- Co-creation of KRA and focus areas
- Space for dialogue, engagement and 3rd Alternative
- Bringing ALL stakeholder around the fire – Academia, Regulators, Government and SOE's, OEM's; Corporate and Unions

WHO WAS INVOLVED?

- Minerals Council
- SAIMM
- SAMH&SC
- CSIR
- TUT – Mandela Precint
- UJ
- UP – Innovation HUB
- CSIR
- NUM
- AMCU
- UASA
- SOLIDARITY
- NUMSA
- Corporates
- DMRE

OUTCOMES FROM THE SEMINAR

1. Alignment on the agenda to the dialogue
2. Knowledge exchange and Lessons Learnt
3. Scaling across industries - Energy, Manufacturing, Oil & Gas to cross pollinate and accelerate the trialing and exchange in knowledge
4. Advocacy in relevant spaces – Mining Indaba, Junior Indaba et al
5. Collaboration as a deliberate action
6. Skills development , Coaching and empowerment

ACTION PLAN

MEMSA CONFERENCE – WHY SHARE BACK

CONFERENCE



MIND SHIFT

INNOVATION, DIGITISATION & SKILLS IN THE SOUTH AFRICAN MINING SUPPLY CHAIN.

EXPLORING KEY TRENDS IN INNOVATION &
HARNESSING 4IR TECHNOLOGIES IN
DESIGN & MANUFACTURE FOR
THE SA MINING INDUSTRY.

Topics include:

- How innovation can be fostered
- The requirements for skills & change management
- Impacts on employment
- Harnessing technology for sustainability
- Collaboration as a catalyst for innovation

MAY
2023



On 24 and 25 May we'll be delving into questions including:

- How can the innovation ecosystem be nurtured, and who is taking the lead locally?
- What does digital transformation in mining look like in South Africa?
- Which new technologies are helping local manufacturers compete?
- How are new technologies changing the world of work, and which new skills are required by managers, engineers and technicians?
- What obstacles do innovators face in South Africa - and what makes for success stories?
- How can collaboration catalyse innovation?



THANK YOU