### **Interactive activities**

#### Website:

Visit https://conference2017.csir.co.za for all conference-related information.

#### **Social Media:**

Conference delegates are encouraged to follow the CSIR on the following platforms, and to make use of the hashtag #CSIRConf2017

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#### Twitter: @CSIR

Facebook: CSIRSouthAfrica

Instagram: CSIRSouthAfrica



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#### Live Streaming:

Remote web viewing will be available for the plenary session on day one. This enables individuals with web access to view proceedings via the website and to comment on the session in real-time.

Access link via https://conference2017.csir.co.za

All other sessions will be recorded and made available as soon as possible on the conference website.



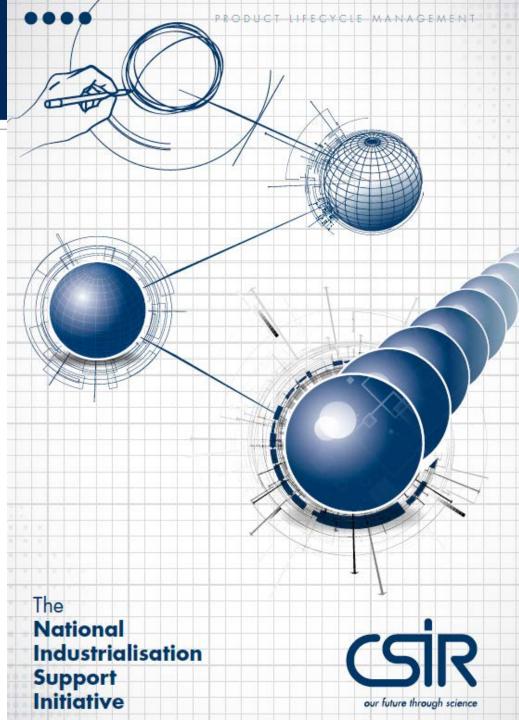
# National Industrialisation Support Initiative (NISI)

### Product Lifecycle Management Centre of Technology



# Initiative (NISI)

- 2013 Q4 Vision created
- 2014 Jan DTI negotiations started
- 2017 May Contracts signed for Siemens PLM solutions
- To follow : Dassault and PTC PLM solutions



### **IPAP**

- The dti
- Industrial Policy Action Plan (IPAP)
- 2017/2018 2019/2020
- Released in May

Key Action Programmes (NIPP-related)

1. Product Life Cycle Management Technology Centre

#### Nature and Purpose of Intervention

Small and medium-sized enterprises (SMEs) need a variety of support measures to develop into globally competitive companies. In addition, it is important that the time from concept development of the product to commercialisation and market is shortened and development costs reduced.

As discussed above, an agreement has been reached with an obligor and the CSIR for the obligor to provide the CSIR with a Product Life Cycle Management suite at no cost to the CSIR; and the package comes with free maintenance for a period of four years.

The software package will be installed at CSIR and the obligor will train CSIR, who in turn will train and support local companies to improve their processes from product development and prototyping to manufacturing and commercialisation. The SMEs will get free access to the PLM software when they need to develop their products. The value of this investment is estimated at R108 million. This is a multi-year rolling programme that will provide initial support to 12 companies already identified - and will expand to about 2,000 companies over a seven-year period.

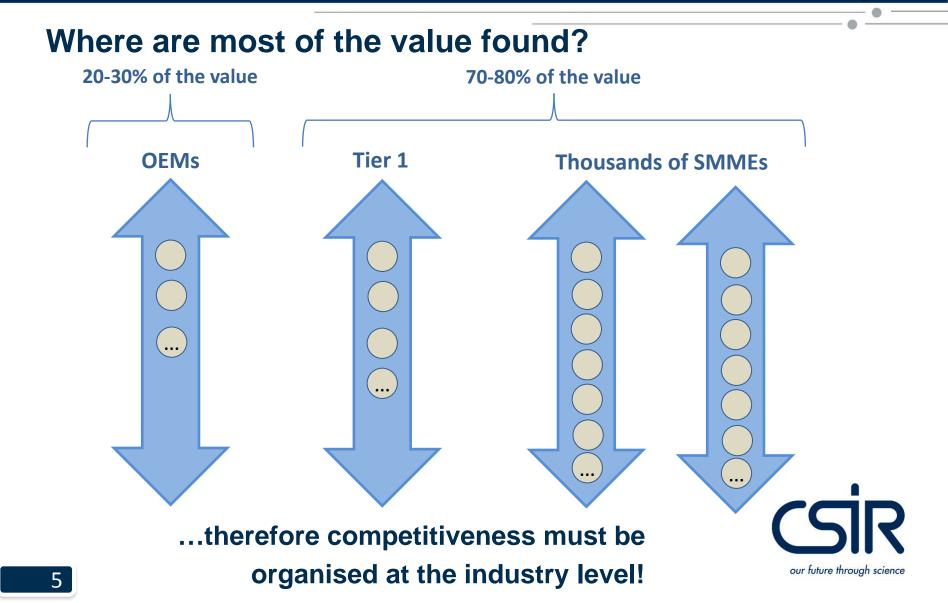
#### Targeted Outcomes

Globally competitive SMEs; increased exports; job creation.

#### Key Milestones

2017/18 Q1:	Installation of the software.
2017/18 Q2:	Training of CSIR personnel, who will then be expected to train local
	companies (Train-the-Trainer Programme).
2017/18 Q3-Q4	Identify individual needs and design support measures for the
	already identified companies.
Lead Departme	ent/agencies: CSIR, the dti
Supporting De	partment/agencles: CSIR, DST, EDD

### **Collaborative Product Development**



### **Identified challenges in South Africa**



### **CSIR Vision - enable and connect**



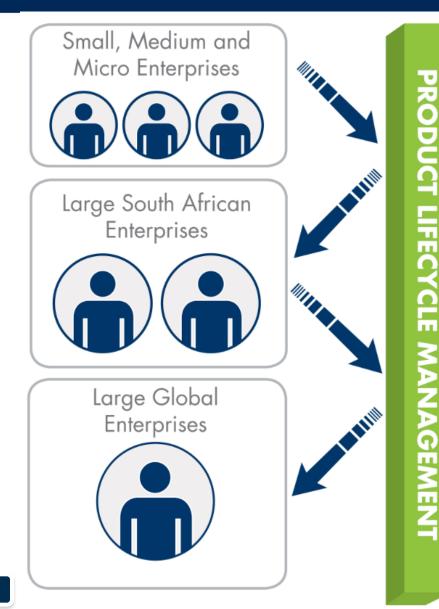
## **Planned Offerings for Industry**

- Knowledge and Skills transfer
  - Access to experts
- PLM Software solutions
  - Access to software
- Advanced Manufacturing equipment & facilities
  - Access to connected network of equipment and facilities
- Skills Development
  - Access to Learning Centre(s)
- Collaboration Hub to connect industry players

our future through science

- Products, Equipment, Facilities, Experts, etc

# PLM important building block and enabler



The CSIR hosts a Product Lifecycle Management facility where we:

- Help you develop your product and people on our platform to experience the value of PLM.
- Provide advice and support on engineering and PLM.
- Provide training and practice-based knowledge transfer.

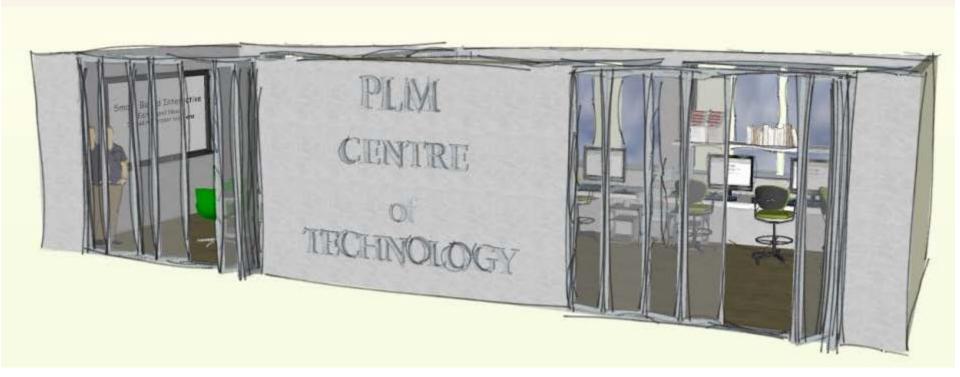
Bring your products and people to co-create knowledge-intensive products today and supplier development through PLM services in the cloud tomorrow.



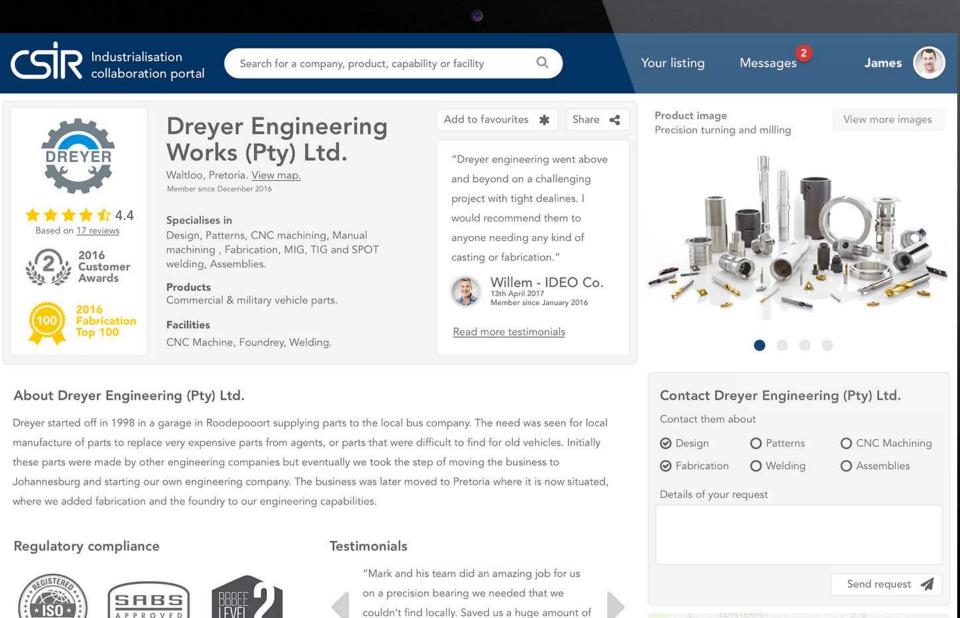
#### www.csir.co.za



### Facility – concept design







money and delivered it ahead of deadline"

Man to Drever Engineering (Ptv) Ltd

Will the implementation of PLM contribute to the competitiveness of industry sectors?

If yes, how will it contribute?



What are the key challenges in Product Development and Manufacturing in South Africa that can be addressed through PLM and how?

