



Biomanufacturing Industry Development Centre (BIDC)

2 November 2022, CSIR International Convention Centre

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science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



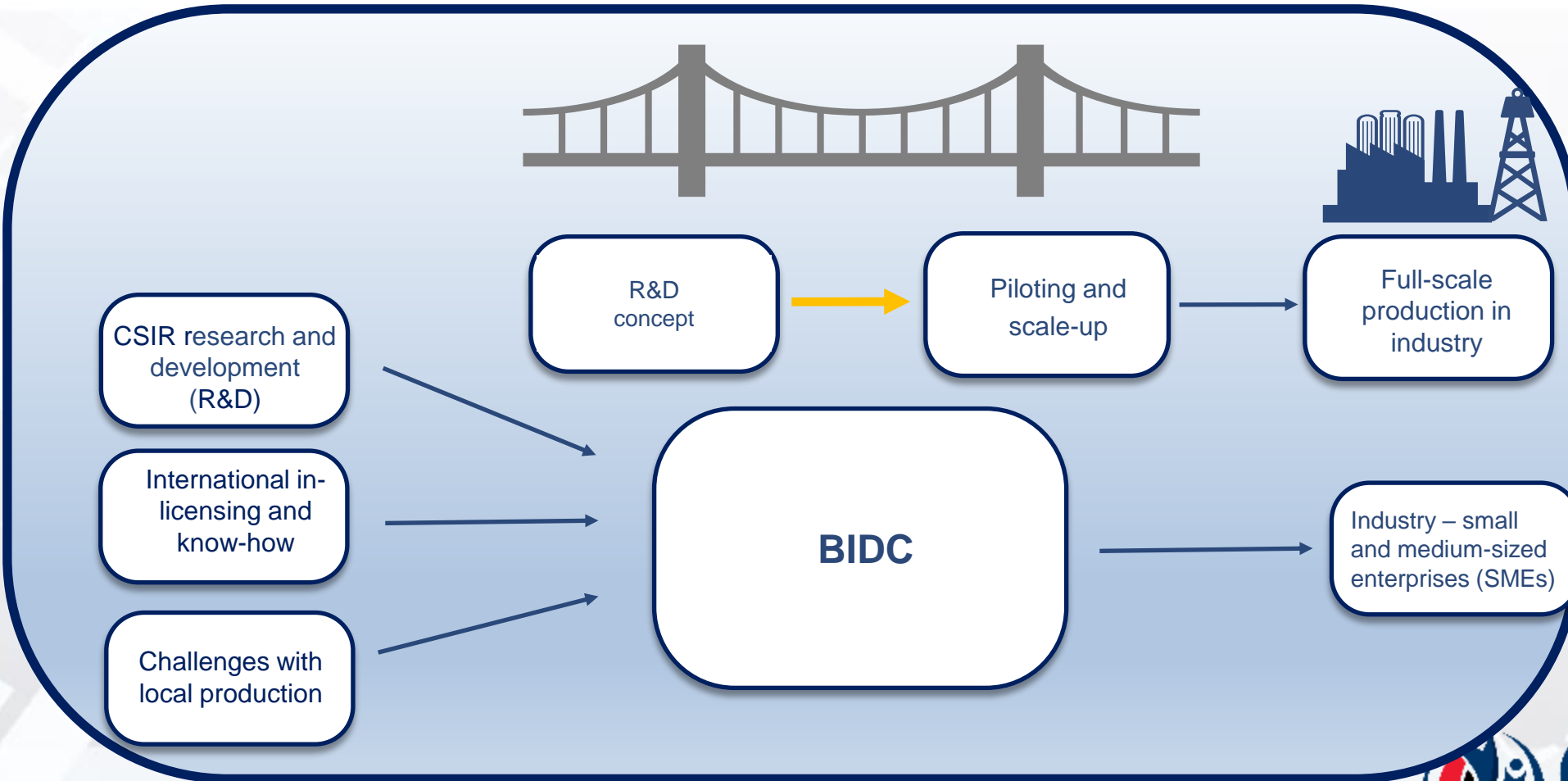
Context



1. Need
2. Introduction to the BIDC
3. BIDC offering
4. BIDC infrastructure
5. BIDC workforce development
6. Case studies

Need

Validation, scale-up and commercialisation in support of the biomanufacturing industry



Offering



BIDC technical support

- Product and process development, packaging, scale-up or piloting, technology validation, techno economics or costing
- Licensing of technologies

BIDC network

- BioPark
- OneBio
- BIDC networking accelerator events
- Business to Business introductions

Access to trained staff or workforce development

- Training courses
- Intern programme



Model or support training to the continent

Access to funding

- Pitching events
- Introductions to funders
- Raising awareness of different instruments

Access to market

- BioPanza Market Access Cluster
- Cosmetic Export Council of South Africa
- Southern African Essential Oil Producers' Association

Access to manufacturing

- Business to Business other contract manufacturers
- BIDC contract manufacturing



Growing the BIOMANUFACTURING SECTOR

BIDC

- Facilitates the translation of R&D to market-ready products and technologies
- Makes skills and infrastructure available to industry and SMEs
- Workforce development in bioprocess and product development skills
- Has partnered with the Department of Science and Innovation and the Jobs Fund



38

ENTERPRISES
CONTRACTED
SINCE
INCEPTION



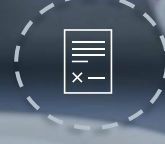
119

PRODUCTS
DEVELOPED
FOR SMES



>120

INTERNS
SUPPORTED AND
EQUIPPED WITH
VOCATIONAL SKILLS



28

LICENCES
SIGNED



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Unique facilities and pilot-scale infrastructure



Workforce development





Case studies

LIGHTHOUSE HEALTHCARE



- The BIDC **localised manufacture** of a strain of probiotic that was previously imported into South Africa
- A patented CSIR technology was applied to the probiotics, improving viability through the GI tract
- **Benefits:**
 - Known source of microbial agent with higher degree of viability
 - Local production
 - New product entering the market



iCAT ENVIRONMENTAL SOLUTIONS

- The CSIR, in collaboration with i-CAT, developed a new generation microbial-based **growth promoting products** for use in the local agriculture sector
- **Benefits:**
 - Known source of microbial agent with higher degree of viability
 - New product offering (BioTab), which is a new market entrant
 - Locally sourced water retention agents identified and incorporated into the new formulations
- Currently undergoing further trials in preparation for regulatory approval (Department of Agriculture)





THANK YOU

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