



# Operational Framework and Foresight for A Sustained National Technology Transfer Network

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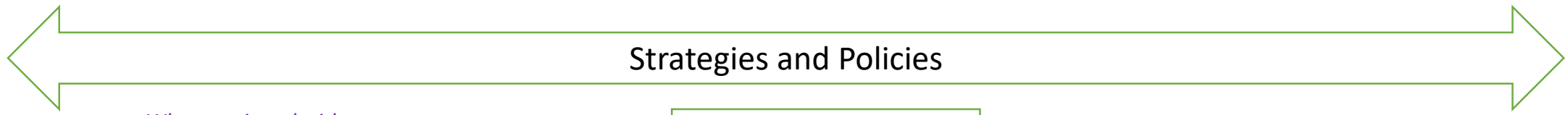


# Innovation Landscape in Oman

- Global Innovation Index (GII)
  - Overall: rank 77 out of 127 countries (Score 31.8/100)
  - Innovation Input Sub-Index: rank 62 out of 127 countries (Score 43.5/100)
  - Innovation Output Sub-Index: rank 90 out of 127 countries (Score 20.2/100)
  - Innovation Ratio: 0.5

# Innovation Landscape in Oman

- Knowledge creators: Universities, Schools, Innovation Labs, etc..
- Knowledge diffusers: Incubators, accelerators, science parks
- Knowledge regulators: The Research Council, National Innovation Strategy
- Funding organizations: The Research Council, OTF, IDO



Strategies and Policies



People

When equipped with ...

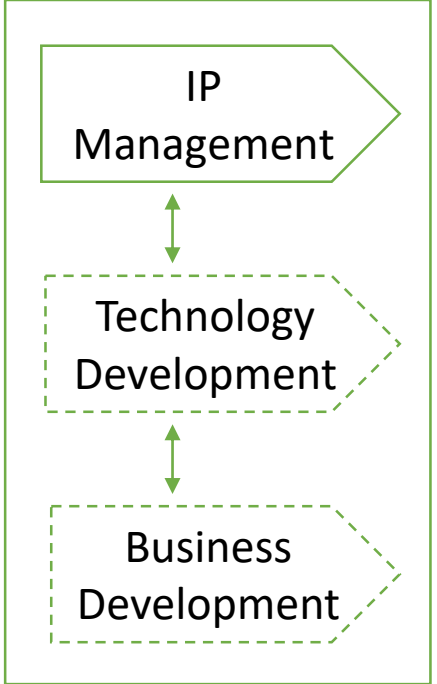


... lead to

Innovative Ideas and Proof of concept



When given ...

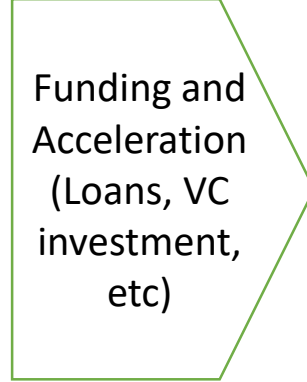


Technology Transfer

Produces ..

Patents  
License Agreements  
  
Functional Prototypes  
Industrial Solutions  
MVPs  
  
Startups

With additional ..



... lead to

SMEs  
Products  
Services

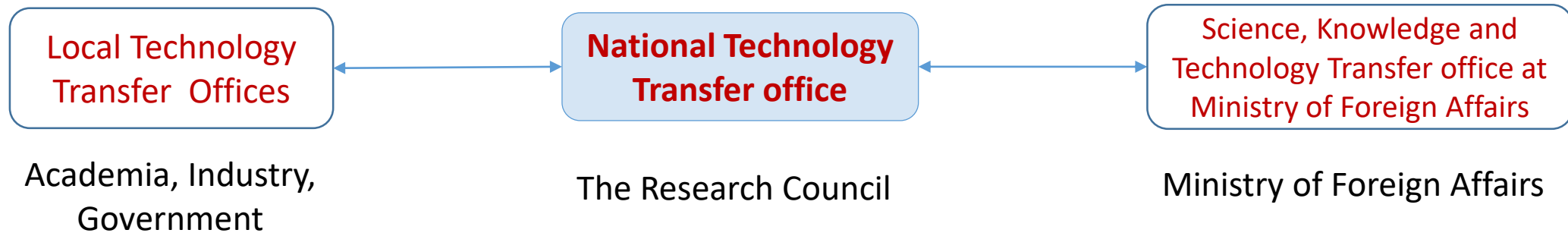


Networking, Communications & Marketing

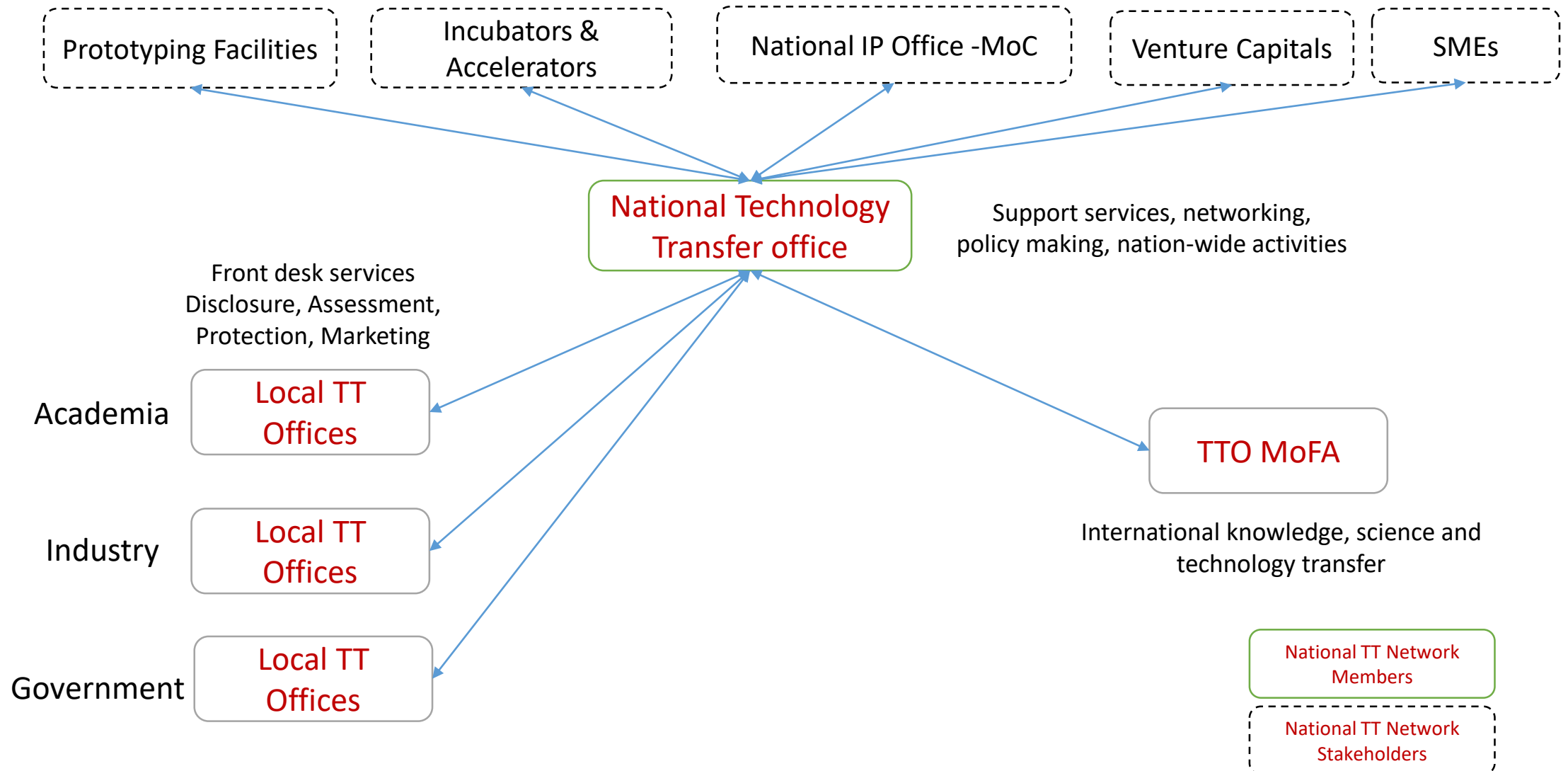


Infrastructure & Facilities

# National Technology Transfer Network



# National Technology Transfer Network



# National Technology Transfer Network

## IP Awareness & training

- IP awareness workshops and training
- Patent Database search service
- Patent search training
- Technology search

## IP Management

- Invention disclosure
- Invention evaluation
- Patentability report
- IP drafting and filling
- Follow up with Patent specialists and Patenting partners

## Commercialization

- Industry negotiation for potential IP licensing
- License drafting and post-license follow-up
- Business consultation
- Liaison with startup & incubation services
- Liaison with prototyping partners

## Guidance & linkage

- Advance Technology Transfer Ecosystem
- Capacity building and awareness
- Liaison and networking between Technology Transfer stakeholders
- Innovation Support

### Local TTO services

Offered to students, researchers, innovators

### National TTO services

Offered to Local TTOs, industry, government and society

# National Technology Transfer Office

Vision: ***to become pivotal in driving, coordinating and stimulating national Technology Transfer activities in Oman***

Objectives:

- Advance Technology Transfer Ecosystem in Oman
- Build human capacity and create awareness on Technology Transfer
- Liaison and networking between Technology Transfer stakeholders
- Support Innovation



# Advance Technology Transfer Ecosystem

- Lead the development of a National Technology Transfer policy for Oman
- Follow up the execution of Technology Transfer initiatives and programs prescribed in the National Innovation Strategy (NIS)
- Encourage organizations to establish a Local TT Office
- Encourage organizations to develop an internal Intellectual Property Policy

# Governance and Structure of the NTTO

- **Executive team:** this is the management team within TRC responsible for executing the operational plan of the NTTO
- **Advisory committee:** this is the committee that helps the executive team in achieving its strategic objectives through proper guidance and outreach

# Advisory Committee

The duties of the advisory committee are:

- To provide strategic direction to the NTTO
- To review the activities of the NTTO
- To approve the yearly operational plan of the NTTO
- To resolve conflicts and disputes raised between the NTTO and other NTTN members or stakeholders
- To help the NTTO facilitate and organize national TT events such as workshops, competitions, exhibitions and others
- To help the NTTO raise funds to run its activities

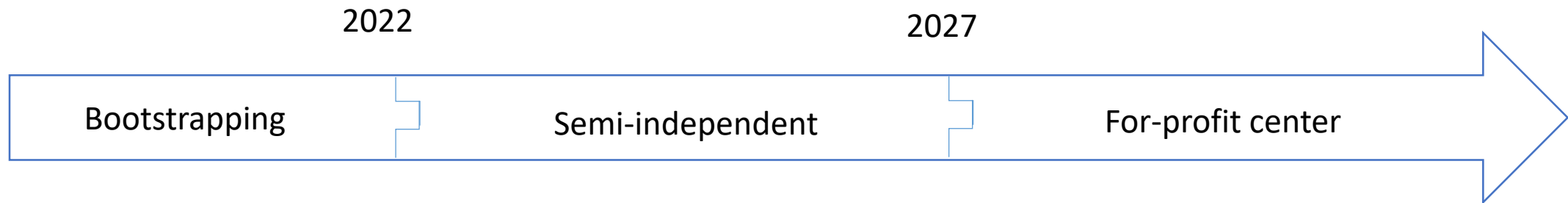
# KPIs

- Number of newly established LTTOs
- Number of TT workshops and training sessions conducted by the Office
- Number of Intellectual Property protection request received by LTTOs from beneficiaries
- Number of Intellectual Property protection applications submitted by LTTOs to patent registration offices
- Number of Intellectual Property protections received by LTTOs (such as patents, trademarks, utility models, etc...)
- Number of Academia-Industry-Government networking activities conducted

# Achievements so far ...

- 5 workshops in 2017 (attended by ~250 participants)
- Establishment of the National TT Network and Office
- 21 LTTOs (17 active) from Academia – Focal points are assigned
- Some stakeholders added TT office to their structure
- Some stakeholders started TT office operations through workshops and awareness sessions

# National Technology Transfer Office Foresight





Thank You!!

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