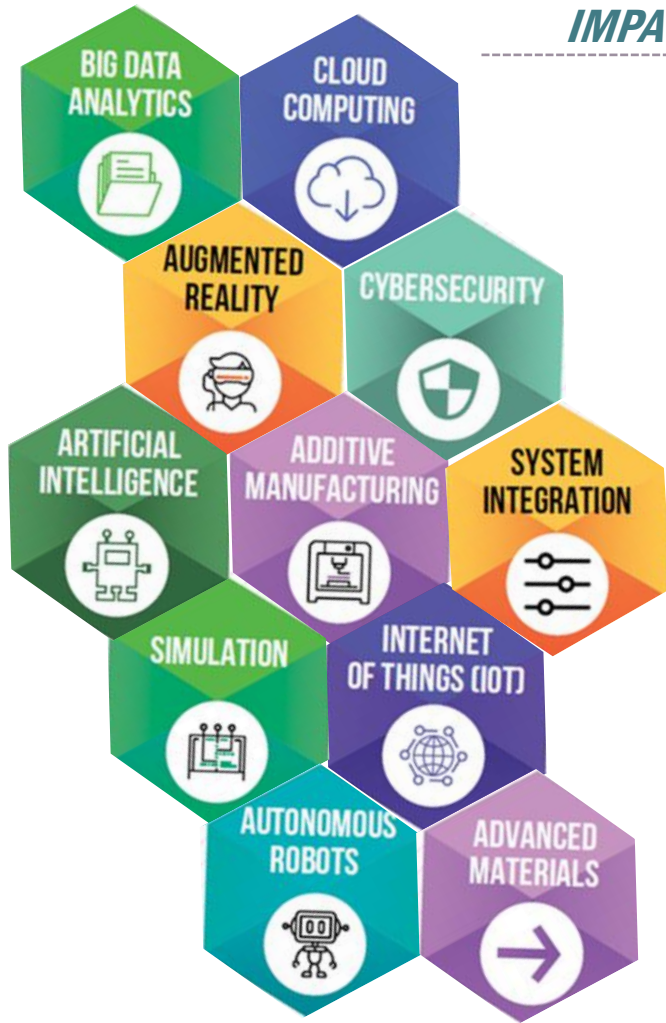


The Fourth Industrial Revolution – 4IR



IMPACT:

SPILLOVERS:

Systemic Change

Social and Geo-Political Transformation

New Mental Model





MINISTRY OF INTERNATIONAL
TRADE AND INDUSTRY

Industry 4WRD

NATIONAL POLICY ON INDUSTRY 4.0



ATTRACT



CREATE



TRANSFORM

National Goals

To increase the level of productivity in the manufacturing sector

To elevate the contribution of the manufacturing sector to the economy

To strengthen our innovation capacity and capability, reflected in global innovation rankings

To increase the number of high-skilled workers in the manufacturing industry

Productivity of the manufacturing industry per person

From **RM106,647**
To increase by **30%**

Absolute contribution in Ringgit Malaysia (RM) term from the manufacturing sector to the national economy

From **RM 254** billion
To **RM 392** billion

Global Innovation Index ranking

From **#35**
To top **30** nations

Numbers of skilled workers employed in the manufacturing sector

From **18%**
to **35%**

Objectives – A-C-T



Attract

Attract stakeholders to Industry 4.0 technologies & processes



Create

Create the right ecosystem for Industry 4.0 technologies to be adopted and to nurture innovations

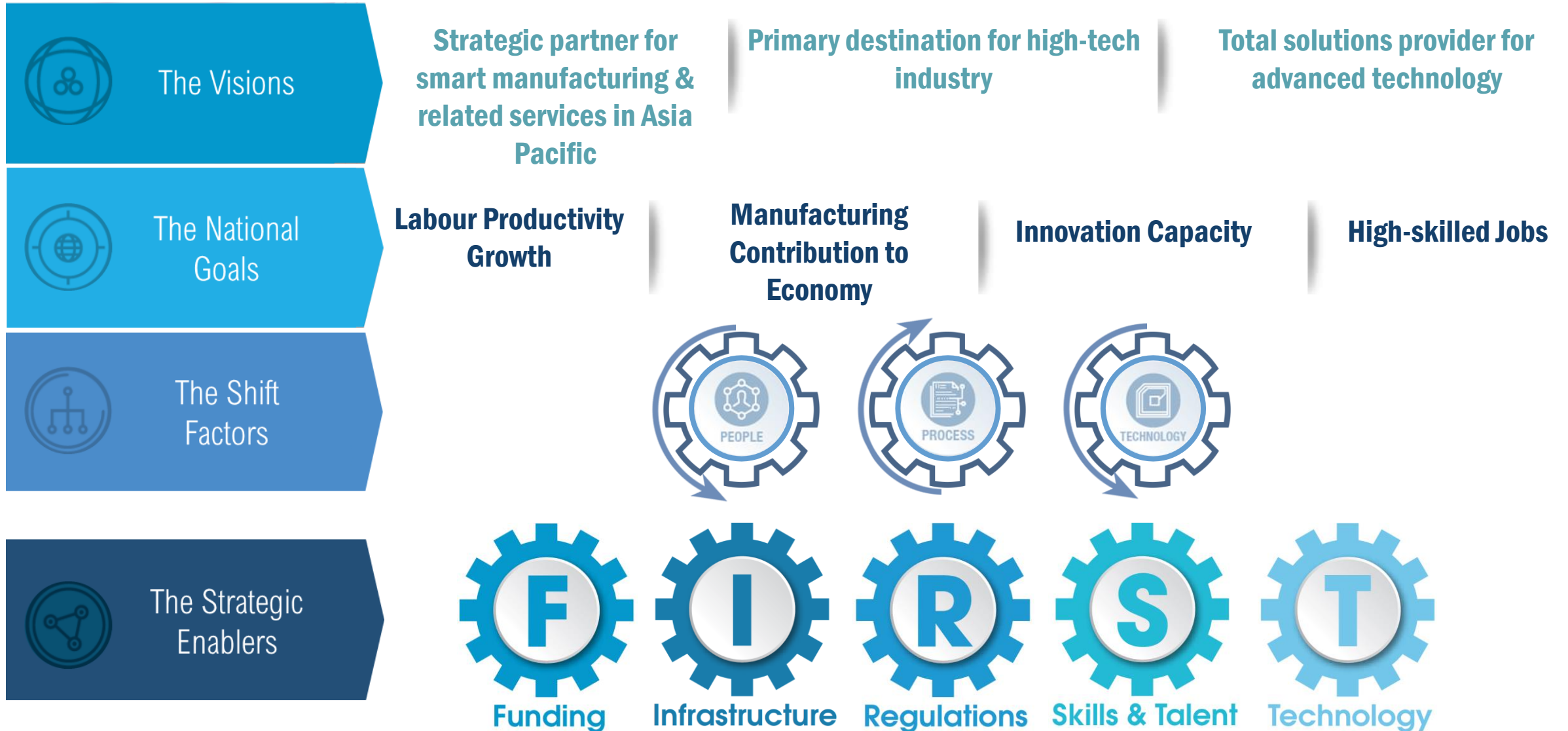


Transform

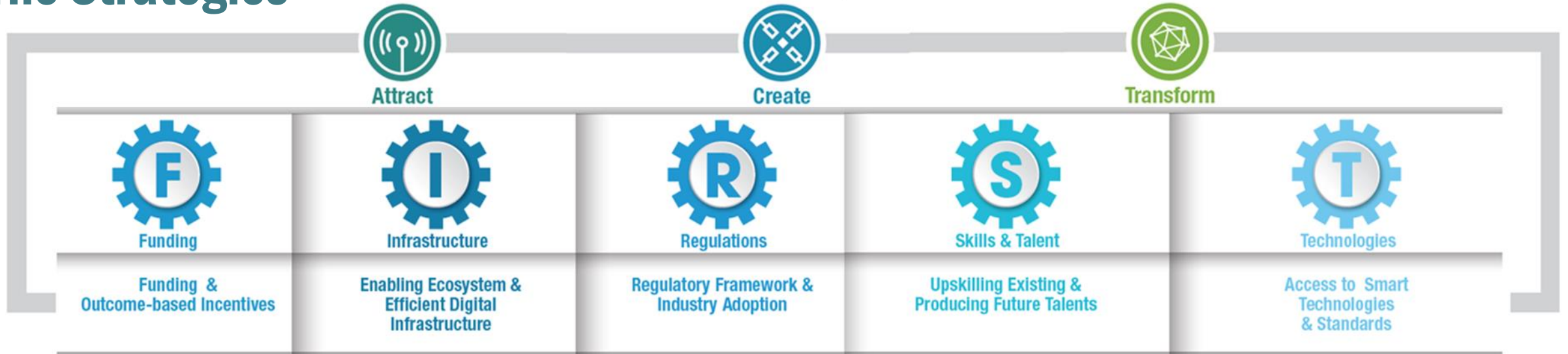
Transform capabilities of the manufacturing industry to be Industry 4.0-ready



The Framework



The Strategies



STRATEGY F1
Provide Outcome-based Incentives

STRATEGY F2
Introduce Dynamic and Innovative Financial Products

STRATEGY I1
Strengthen Digital Connectivity

STRATEGY I2
Enhance The Digitalisation and Integration of Government Processes and Infrastructure

STRATEGY I3
Involve Services Providers

STRATEGY R1
Increase Awareness

STRATEGY R2
Create a Mechanism to Assess the Readiness of Manufacturing and Related Services Firms

STRATEGY R3
Improve Data Integrity, Standards, Sharing and Security

STRATEGY S1
Enhance the Capabilities of Existing Workforce

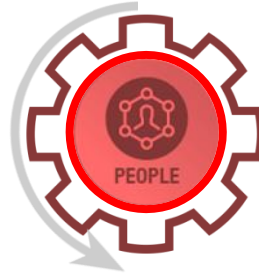
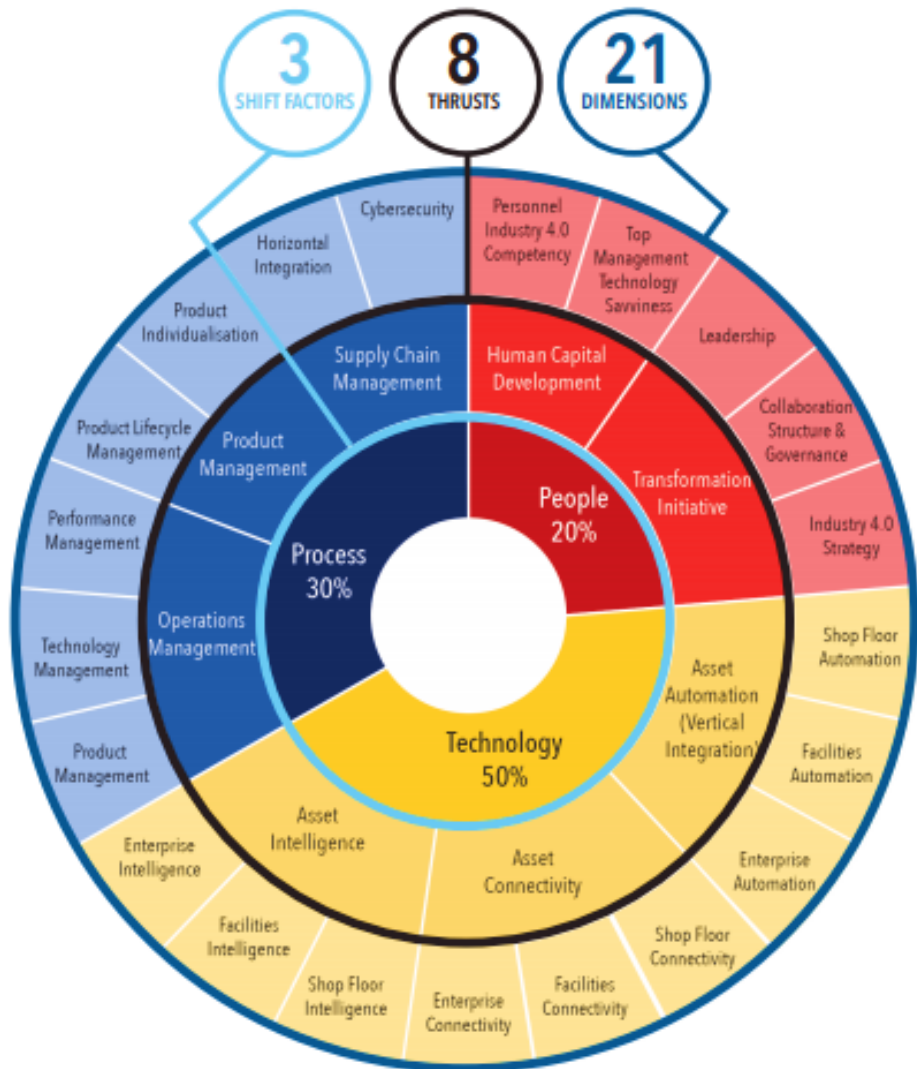
STRATEGY S2
Ensure the Availability of Future Talent

STRATEGY T1
Establish Digital Or Technology Labs And Collaborative Platforms

STRATEGY T2
Establish and Implement Standards for Interoperability, Quality And Safety

STRATEGY T3
Intensify Research, Innovation, Commercialisation and Entrepreneurship (RICE) Programs and Activities

Industry4 *WRD*-Readiness Assessment (RA)



Focuses on people and the entire organisation.

Emphasis on strategies towards having a right set of workforce.



Focuses on management system in running business operations, supply chain and product lifecycle.

Emphasis on smart and strategic public private partnerships, security, sustainability and product co-creation



Focuses on the application of intelligent, connected and automated technologies.

Measured at three different layers of the business: Shop floor, Enterprise & Facility.



ATTRACT



CREATE



TRANSFORM

Industry4WRD