The Fourth Industrial Revolution – 4IR

**IMPACT:**

- Systemic Change
- Social and Geo-Political Transformation
- New Mental Model

**SPILLOVERS:**

- Smart production
- New generation’s talent
- Increase productivity
- Efficiency

**Technology adoption**

- Big Data Analytics
- Cloud Computing
- Augmented Reality
- Cybersecurity
- Artificial Intelligence
- Additive Manufacturing
- System Integration
- Internet of Things (IoT)
- Simulation
- Autonomous Robots
- Advanced Materials
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

Strategic partner for smart manufacturing & related services in Asia Pacific

Primary destination for high-tech industry

Total solutions provider for advanced technology

The Visions

The National Goals

The Shift Factors

The Strategic Enablers

Labour Productivity Growth

Manufacturing Contribution to Economy

Innovation Capacity

High-skilled Jobs

Funding

Infrastructure

Regulations

Skills & Talent

Technology

The Framework
The Strategies

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Industry 4.0 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.