



KEYNOTE SPEECH MINISTER OF INDUSTRY OF INDONESIA

**Delivered on Digitalized Indonesia 2019
by Siemens Indonesia**



Jakarta, 31 October 2019

National GDP Contributors (Q2-2019)

1. Manufacturing	19,52
2. Agriculture	13,57
3. Trade	12,95
4. Construction	10,37
5. Mining	7,38
6. Transportation and Warehouse	5,57
7. Financial Services & Insurance	4,10
8. Information & Telecommunication	3,89
9. Gov. Administration	3,72
10. Education Services	3,22
11. Real Estates/Housing	2,75
12. Accommodation & F&B	2,74
13. Other Services	1,92
14. Business Services	1,89
15. Electricity & Gas	1,13
16. Health & Social Services	1,08
17. Water Supply	0,07





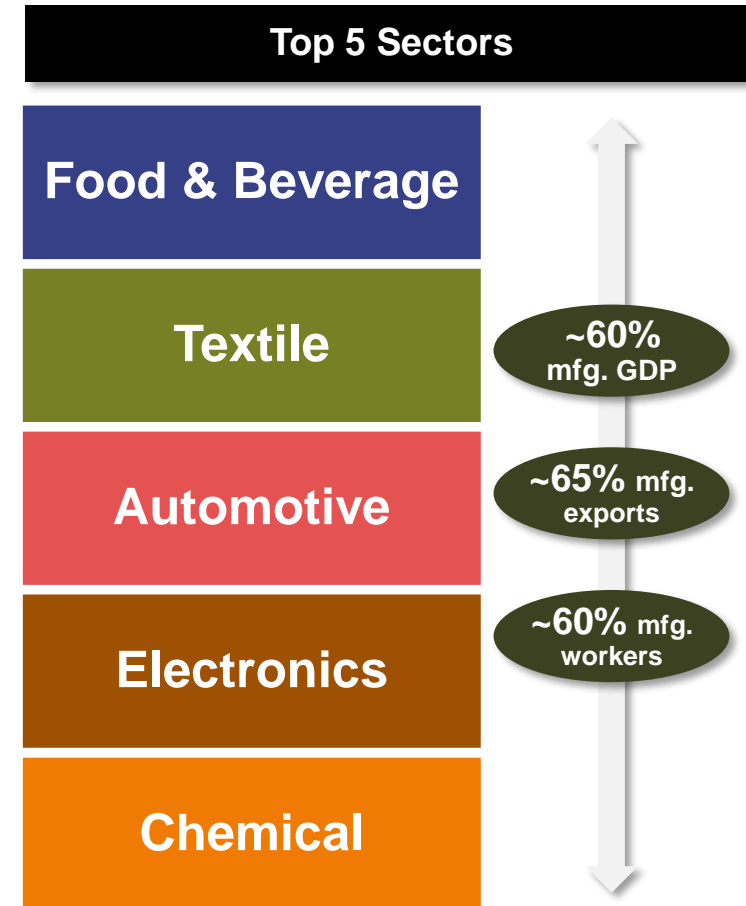
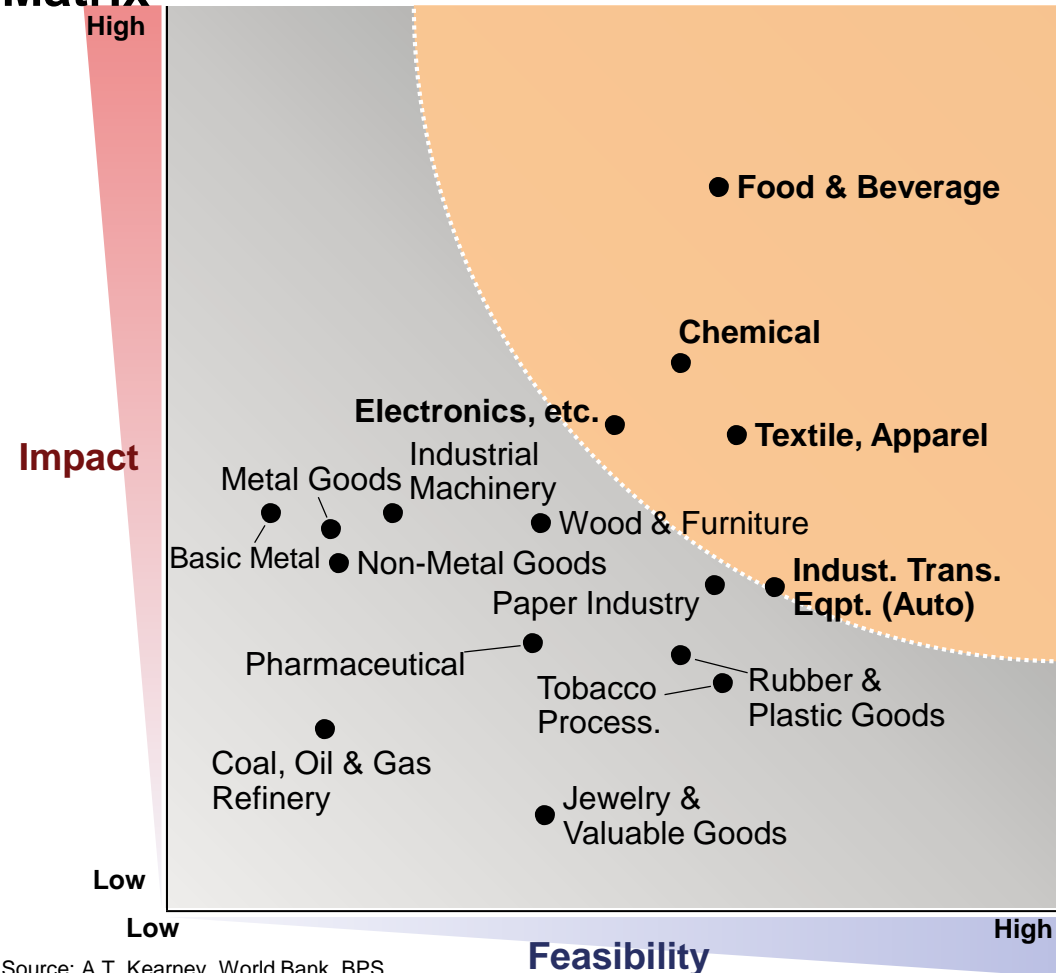
“Indonesia must
utilize the
revolution through
*Making Indonesia
4.0*”

Presiden Joko Widodo

Indonesia Industrial Summit
2018

5 sectors were selected for 4th Industrial Revolution implementation priority sectors

Sector Prioritization Matrix



Indonesia has set 10 National Priorities for “Making Indonesia 4.0”

10 National Priorities

1 Reform Material Flow

- Enhance **domestic upstream material production**; e.g. 50% of petrochemical is imported

2 Redesign Industrial Zones

- Build a **single nationwide industry zoning roadmap**; resolve zoning inconsistency challenges

3 Embrace sustainability

- Grab **opportunities under global sustainability trend**; e.g. EV, biofuel, renewables

4 Empower SMEs

- Empower **3.7 million SMEs¹ by technologies**; e.g. build SME e-commerce, technology bank

5 Build Nationwide Digital Infrastructure

- Advance **network and digital platform**; e.g. 4G to 5G, Fiber speed 1Gbps, Data center and Cloud

6 Attract Foreign Investments

- Engage **top global manufacturers** with attractive offer and accelerate **technology transfer**

7 Upgrade Human Capital

- Redesign **education curriculum** under 4IR era
- Create professional **talent mobility program**

8 Establish Innovation Ecosystem

- Enhance **R&D centers** by government, private sector and universities

9 Incentivize Technology Investment

- Introduce **tax exemption/subsidies** for technology adoption and **support funding**

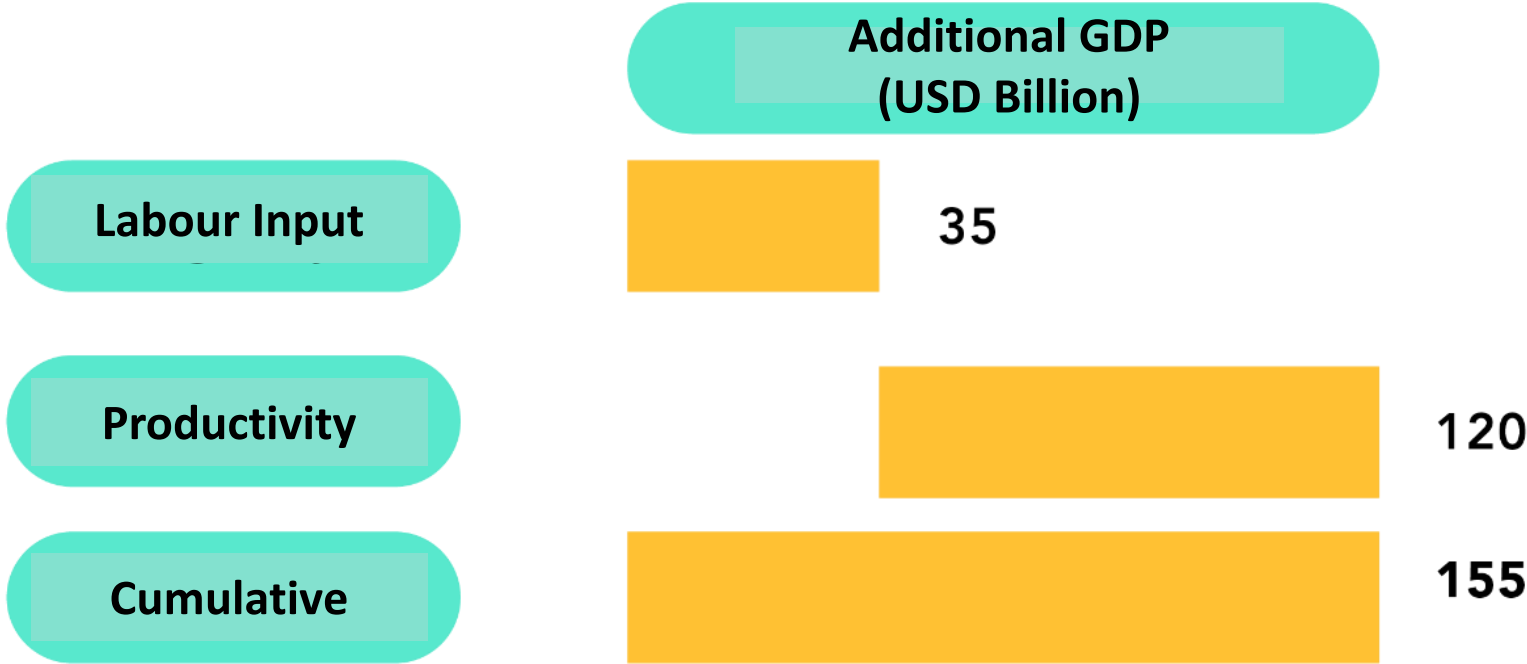
10 Reoptimize Regulations & Policies

- Build more **coherent policies/regulations** by **cross-ministry collaborations**

1. Including micro enterprises
Source: Ministry of Industry, A.T. Kearney

INDONESIA HAS OPPORTUNITY TO GET ADDITIONAL GDP OF USD 155 BILLION BY 2025

Through the implementation of Industry 4.0, the additional GDP will be gained from Labour Input and Productivity Enhancement



Source: Global Insight (WMM), IHS data, Euromonitor International, Team analysis

Addition of Digital Workforces:



Source: McKinsey

APA ITU INDI 4.0

Indonesia Industry 4.0 Readiness Index (INDI 4.0) merupakan standar acuan untuk mengukur tingkat kesiapan perusahaan untuk bertransformasi ke era Industri 4.0.

5 PILAR PENILAIAN KETERKAITAN PERUSAHAAN DENGAN INDUSTRI 4.0



1 Manajemen & Organisasi

Seberapa besar dukungan pihak manajemen dan organisasi untuk bertransformasi



2 Orang dan Budaya

Apakah budaya dan karyawan perusahaan Anda siap untuk bertransformasi ke Industri 4.0



3 Produk & Layanan

Seberapa siap layanan dan produk perusahaan untuk fit dengan Industri 4.0



4 Teknologi

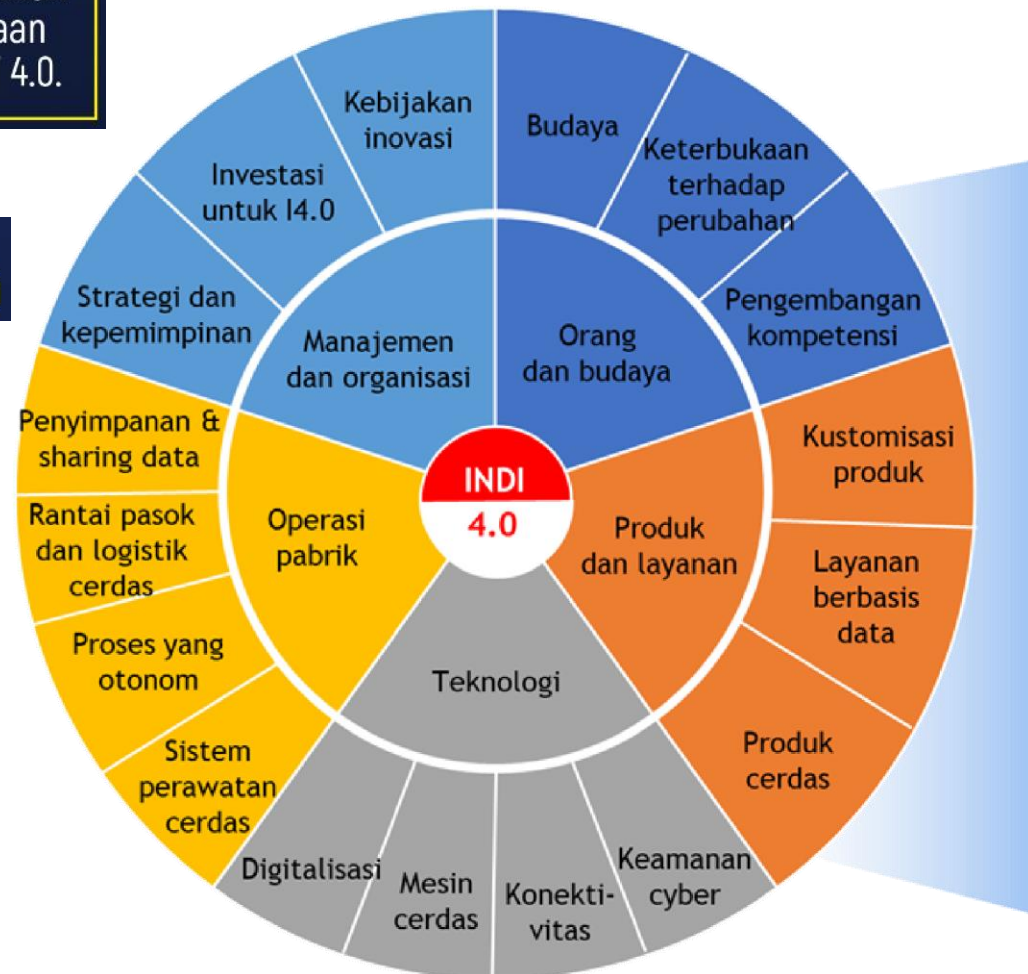
Teknologi Industri 4.0 apa saja yang sudah mulai diaplikasikan di perusahaan



5 Operasi Pabrik

Bagaimana kesiapan operasi perusahaan untuk mengimplementasikan sistem Industri 4.0

KRITERIA PENILAIAN INDI 4.0



Level 4

Sudah menerapkan

Level 3

Kesiapan matang

Level 2

Kesiapan sedang

Level 1

Kesiapan awal

Level 0

Belum siap

INDUSTRY 4.0 TRANSFORMATION MANAGER TRAINING



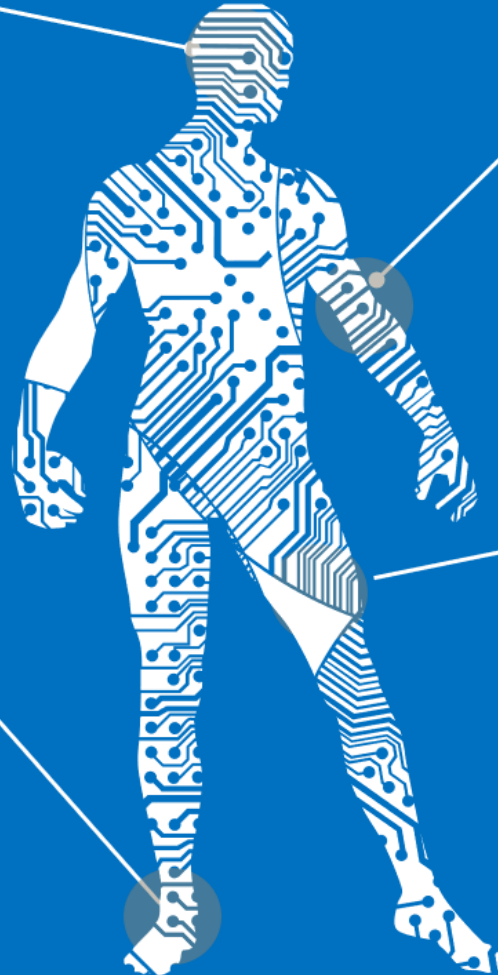
KNOWLEDGE MANAGEMENT

- Vertical and Horizontal Integration
- Main Technology for Industry 4.0
- Smart Factory
- Industry 4.0 Impact
- Key Performance Indicator
- Cyber Security



Industry 4.0 Transformation Manager

- To lead and drive the implementation of industry 4.0 for the company



Industry 4.0 Transformation Expert

- Acknowledgement from a renowned certification institute with the qualification in accordance with industrial needs



Industry 4.0 Transformation Manager

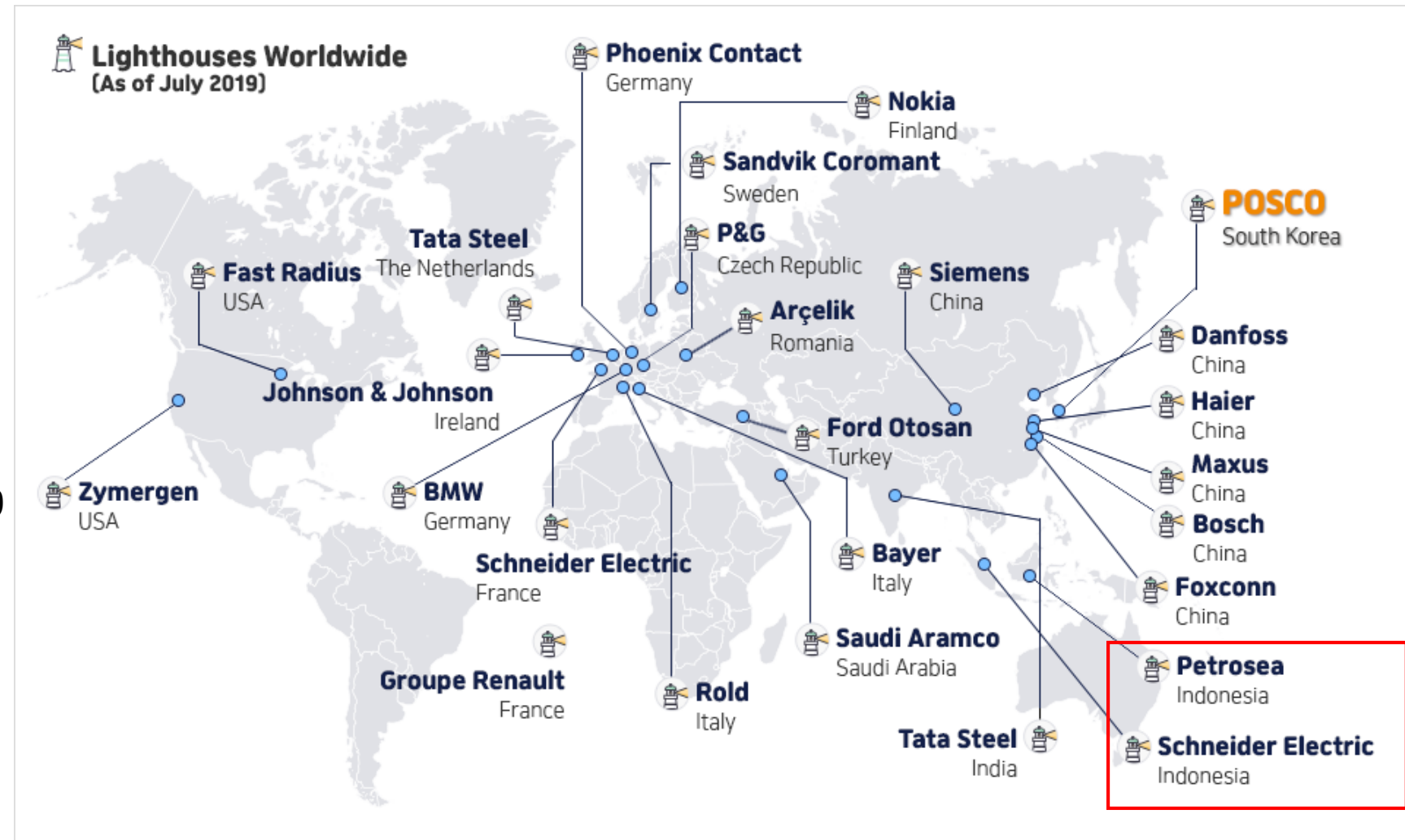
- Understand the digital necessity for production, logistic as well as the challenge



Tahun 2019

Pada Bulan Juli 2019, WEF menetapkan **10 lighthouse baru** dipilih karena :

- penerapan teknologi industri 4.0 memberikan dampak finansial dan operasional
- berhasil mengintegrasikan teknologi untuk meningkatkan efisiensi dan mendorong inovasi





HANNOVER MESSE NEWS

Partner Country at HANNOVER MESSE 2020 is Indonesia

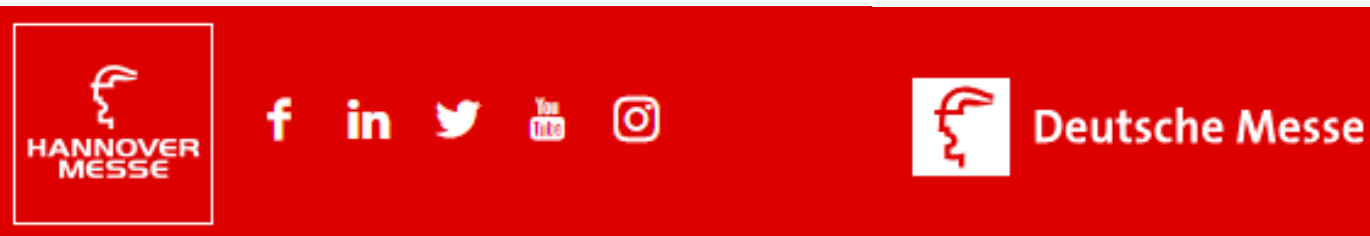
Representatives from Indonesia set the stage for their country's role as Partner Country at HANNOVER MESSE 2020 with the unveiling of the official Partner Country logo. From 20 to 24 April 2020, the resource-rich country will be the center of attention at the world's leading trade fair for industrial technology. Indonesia belongs to the Association of Southeast Asian Nations (ASEAN) and has the biggest economy within the group.

02 Apr. 2019

www.hannovermesse.de



From 20 to 24 April 2020, one of the largest manufacturing economies in Asia takes center stage at the world's leading tradeshow for industrial technology. Indonesia is by far the largest economy within the Association of Southeast Asian Nations (ASEAN). The archipelagic country aspires to become a global top ten economy by 2030.





THANK YOU



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