

PROGRAM DIGITAL & GIS KETSA 2022

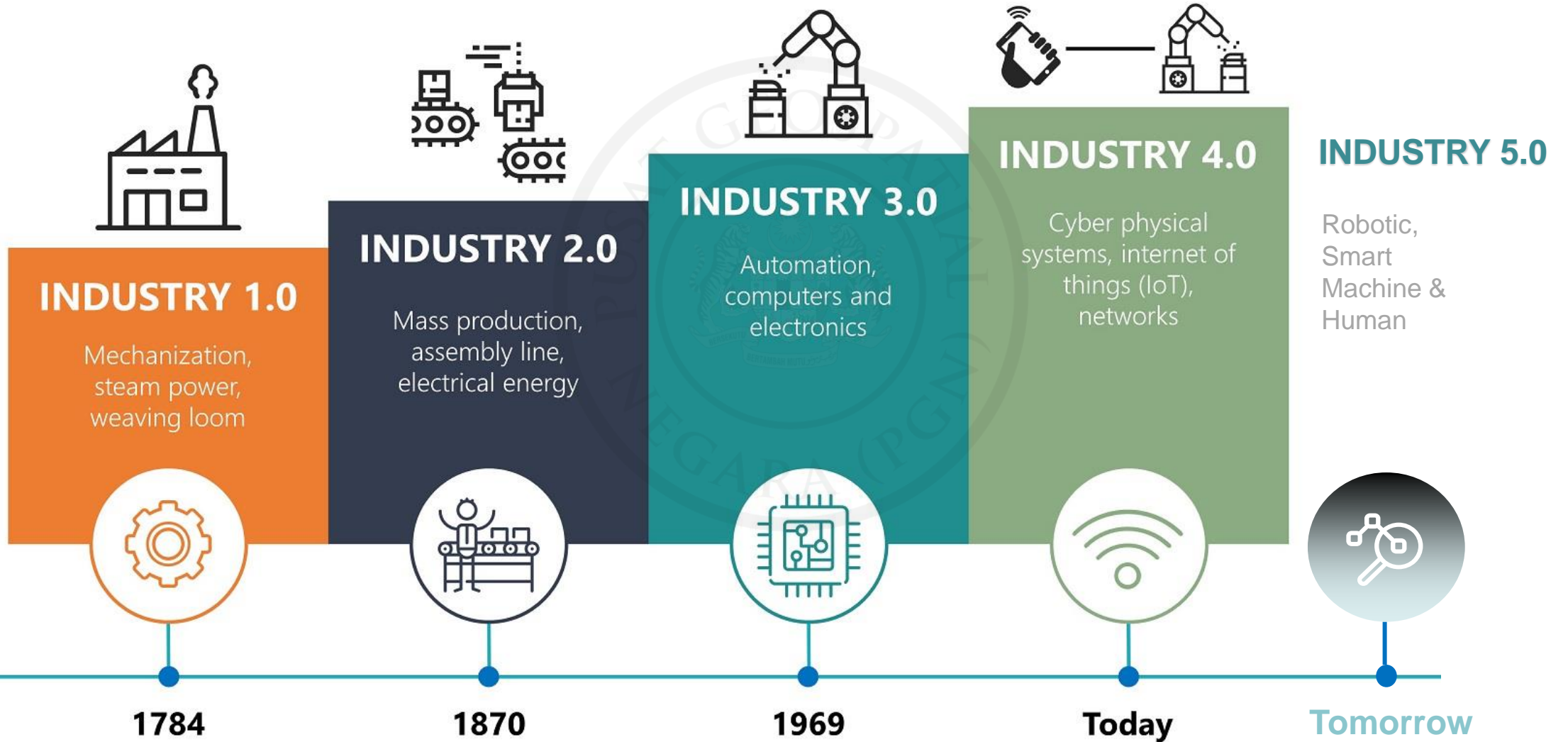
TEMA: “DIGITAL DAN GIS ASPIRASI NEGARA”

SMART INSPECTION TOWARD IR4.0

DATO' Gs. AZHAR BIN HAJI ISMAIL
26 JULAI 2022



**SMART
INSPECTION**
Detect | Trace | Enforce



Industry4wrd : National Policy on Industry 4.0

Ministry of International Trade and Industry (MITI)

5G Technology (New Radio)
Jalinan Digital Negara (JENDELA)

Technologies
advancement
and
convergence



Enabling Technologies

The digitalisation of the production-based industries are driven by these technological drivers

Global population

2021 – 7.5 Billion

2030 – 8.5 Billion

National population

2021 – 33.42 Million

2030 – 36.40 Million

KEY ISSUES



INSPECTION/ENFORCEMENT ISSUES ON NON-COMPLIANCE ACTIVITIES

Not carried out efficiently and systematically
No dedicated database for documentation purposes.



MANUAL ENFORCEMENT SYSTEM

Enforcement activities are done on-site



ENFORCEMENT BASED ON PERIODIC MONITORING & PUBLIC COMPLAINS

Inspection is done periodically and based on people's complaints



ON-SITE COLLECTION FOR REVENUE NOT SYSTEMATIC

Only kept in the record
No specific system is used to facilitate searches the records.

SMART INSPECTION ADVANTAGES



MAPPING, REMOTE SENSING, PHOTOGRAMMETRY, SURVEY

We provide high quality and cost-effective services for GIS Remote Sensing, Photogrammetry and Mapping. We can make a deep research on your service and generate clever creative ideas that can boost your income



GEOGRAPHIC INFORMATION SYSTEM (GIS), ARTIFICIAL INTELLIGENCE (AI), BIG DATA ANALYTICS

We are a complete professional development company, providing all the services and solutions for any geo-spatial enterprise needs. Our expertise field of activities includes: Ruled by integrity, a deep-rooted sense of professionalism and a commitment to service excellence, MAP2U is well equipped to meet the varied needs of our clients. We look upon our clients as our partners and strive hard to promote mutual growth and best interests.



INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

We also specialize in providing ICT Development Services. Our software solutions include simplifying complex administrative and management procedures on web based frameworks.



SYSTEM APPLICATION DEVELOPMENT

We specialize in providing user-friendly, reliable and efficient solutions. We have rich expertise in GIS application development..

SOLUTIONS

GEOSPATIAL SOLUTIONS

- Utilities Solution
- Asset Management Solution
- Transport & Logistic
- Disaster Management
- Oil & Gas solution

SMART INSPECTION

- Field Enforcement
- Crowdsourcing Module
- Local Govt Dept Module

SMART HEALTHCARE (PHub)

- Professional Healthcare Module
- Patient/Family Management Module
- Integration Module
- Market Place module

TOOLS

Tools for Data Acquisition



RECEIVER



LASER SCANNER



UAV SYSTEM



AUGMENTED REALITY APP

PLATFORM



MAP2U GEOSPATIAL PLATFORM

TECHNOLOGY



MOBILE LASER SCANNING TECHNOLOGY



SATELITE IMAGERY TECHNOLOGY



AI TECHNOLOGY



TRACKING TECHNOLOGY



CLOUD TECHNOLOGY

BIG DATA ANALYTICS

ARTIFICIAL INTELLIGENCE

AUGMENTED REALITY

BLOCKCHAIN

1A Local Government



Local Government

- Planning Department
- Valuation Department
- Building Department
- Engineering Department
- Enforcement Department
- Licenses Department

5,000 Users

Rest API



Centralize GIS Database

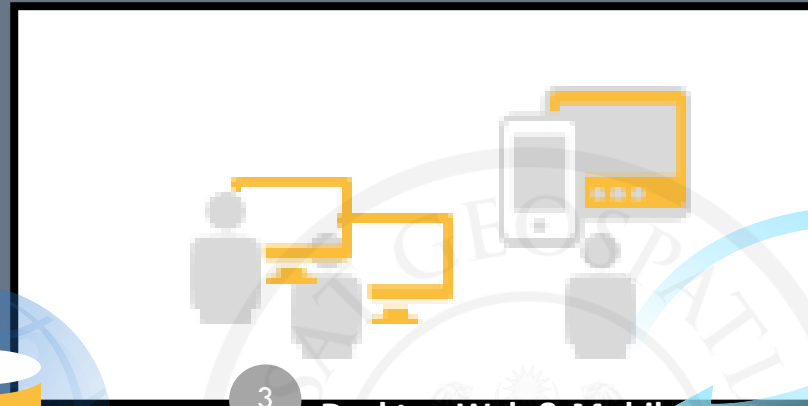
1B Crowdsourcing

- TNB
- Grab
- Pos Malaysia



Smart Inspection

Detect | Trace | Enforce



3

Desktop Web & Mobile

- Scheduling
- Inspection
- Approval
- Reporting
- Create Work



Collector for ArcGIS



4A

Field Verification

- Online
- Offline



- Review, Process, Edit, Enrich
- Data loading & QA
- Workflow management
- Data Analysis

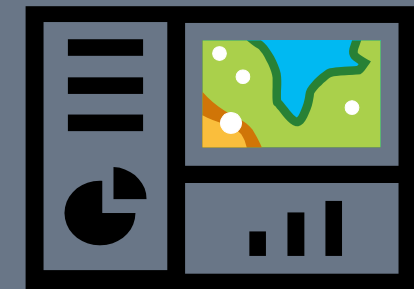
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Executive Dashboard

4B

Change/Update Detection/Monitoring Dashboard



TARGET MARKET AND OPPORTUNITY



**LOCAL
GOVERNMENT**



**TRANSPORTATION
INDUSTRY**



**OIL & GAS
INDUSTRY**



**PLANTATION
INDUSTRY**



**CONSTRUCTION
INDUSTRY**



**ENFORCEMENT
INDUSTRY**



MIT'S

QUIZ

TIME



THANK YOU!



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