

Defence Industry Indonesia

General Information





About Us



Defence Industry Indonesia also known as DEFEND ID is a Holding of state-owned companies in Indonesia, which consists of five companies specializing in



Electronics
Systems



Energetic
Materials



Aerospace
Platform



Naval Platform,
Submarine &
Shipbuilding



Land Platform,
weapon, munition
& heavy
equipment



Vision

To become a national defence industry that is advanced, strong, independent, competitive, and leading in the global market



Mission

- Building a national innovation collaboration
- Building technological independence and increasing company competitiveness
- Become part of the global supply chain by developing global strategic partnership
- Serves as the main driving force for the development of the domestic industrial ecosystem



Target

The Top
50
Global Defence
Company



Our Portfolio (Dual Use of Technology)



Len Industri

- Electronic Systems Integration
- Secure Communication
- Mission Systems



Medium Range Radar Starstreak Gunnery Firing Range



Tactical Datalink Communication System



DAHANA

- Energetic Materials



Dayagel Series Dayagel Sivor P100L Bomb



Blast Effect Bomb



Dirgantara Indonesia

- Aerospace Platform
- Fixed & Rotary Wing
- Airframe Component



CN235-220 NC212i N219



H225/215M BELL 412 EPI



AS365 N3+ DAUPHIN



PAL Indonesia

- Naval Platform
- Ships & Submarine
- Onshore & Offshore Structure



Fast Attack Vessel (KCR) Light Frigate (PKR) 105 m Strategic Sealift Vessel



Submarine Onshore



Barge Mounted Power Plant



Pindad

- Land Platform
- Weapon & Munition
- Heavy Equipment



ANOA 6x6 APC KOMODO 4x4 APC Badak 6x6 Combat



Maung 4x4 SS2-V5 AI



SMS Excava 50 (5 Tons) Tracktor PTM-90

Indonesia Defence Landscape



Spending

7.6
billion USD
Military Expenditure
2019

23.6
billion USD
Foreign & Domestic Credit Budget
2020-2024



Industry Target

50%

Minimum Local Content

24%

Reduced Imports

30%

Foreign Credit Budget Utilization by Local Companies

100%

Domestic Credit Budget Utilization by Local Companies



Area of Possible Collaboration



Country vendor must return **45%** of contract value to Indonesia in **local content and offset**.

The national defence industries are encouraged to conduct import substitution activities and local content enhancement in order to minimize the import dependencies.

Industries **has to improve** the mastery on technology and manufactures, capability in cooperation and maintenance services, along with after sale services.



Maintenance, Repair & Overhaul (MRO) business is one of the high potential business opportunities such as MRO for aircraft, naval ship, military vehicle and radar system. Currently there are business collaboration with AMMROC for MRO aircraft, component, modification and spare

Indonesia has a military power ranked 16 in the world by globalfirepower report. this is one of the references for the magnitude of Indonesia's military strength.



Indonesian Defence & Manufacturing Research Institute (IDMRI) is a **world-class Naval Shipbuilding Research & Innovation** Institute.

IDMRI Laboratories

- Electronics
- Aerospace
- Naval
- Land Vehicle
- Weapon
- Energetic Materials
- Policy
- Manufacturing



Global Supply Chain Partnership in Platform Systems

- Naval Shipbuilding
- Aircraft Manufacturing
- Medium Tank and Tactical Vehicle
- Defence Electronics & Cyber System

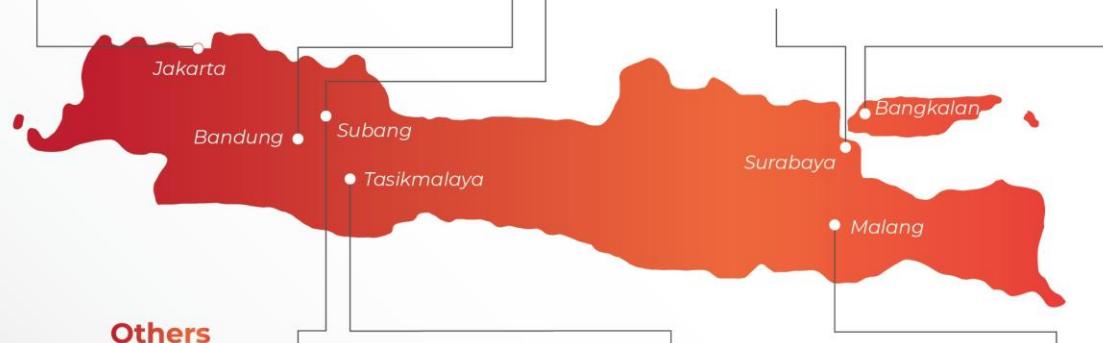


- National/Global Projects

- Manufacturing
- Technopark Learning Center
- Industrial Factory Area
- Research & Development Center



Our Location



Jakarta Representative Office

Len Industri

Menara MTH, Lt.17, J
Jl. MT. Haryono Kav.23, Jakarta 12820

Pindad

Jl. Batu Ceper No. 28 Jakarta 10120

Dirgantara Indonesia

Menara MTH, Lt.17,
Jl. MT. Haryono Kav.23, Jakarta 12820

PAL Indonesia

Jl. Tanah Abang II/27, Jakarta 10160

DAHANA

Menara MTH, Lt.17,
Jl. MT. Haryono Kav.23, Jakarta 12820

Head Office

Len Industri

Jl. Soekarno Hatta 442
Bandung, Indonesia, 40254

Pindad

Jl. Gatot Subroto, No 517
Bandung, Indonesia, 40285

Dirgantara Indonesia

Jl. Pajajaran No. 154
Bandung, Indonesia, 40174

DAHANA

Energetic Material Center
Jl. Raya Subang-Cikamurang Km. 12
Cibogo, Subang, Indonesia, 41285

PAL Indonesia

Ujung, Surabaya 60155, PO BOX 1134
Indonesia



Branch Office

IPTN North America, Inc
1035 Andover Park West, Suite B
Tukwila, Seattle, Washington
98188-7681, US

Head Office and Production Facilities

Java, Indonesia



10.227 employees



20 companies (holding & subsidiaries)



7 manufacture facilities

Len Industri

Len Technopark

Jl. Raya Subang-Cikamurang Km. 12
Cibogo, Subang 41285

Dirgantara Indonesia

Defence System

Komplek Produksi III Lanud Wiradinata
Jl. Letkol Basir Surya, Cibereum, Tasikmalaya

Pindad

Munition

Jl. Panglima Sudirman No. 1, Turen
Malang, 65175

Dirgantara Indonesia

Defence System

Komplek Produksi V DBAL LANAL
Batuporon, Bangkalan, Madura



Our Worldwide Customer

America

United States
Canada
Chile

Europe

United Kingdom
France
Germany
Italy
Turkey
Greece

Africa

Senegal
Ghana
South Africa
Nigeria
Kenya
Egypt

Middle East

UAE
Oman

East Asia

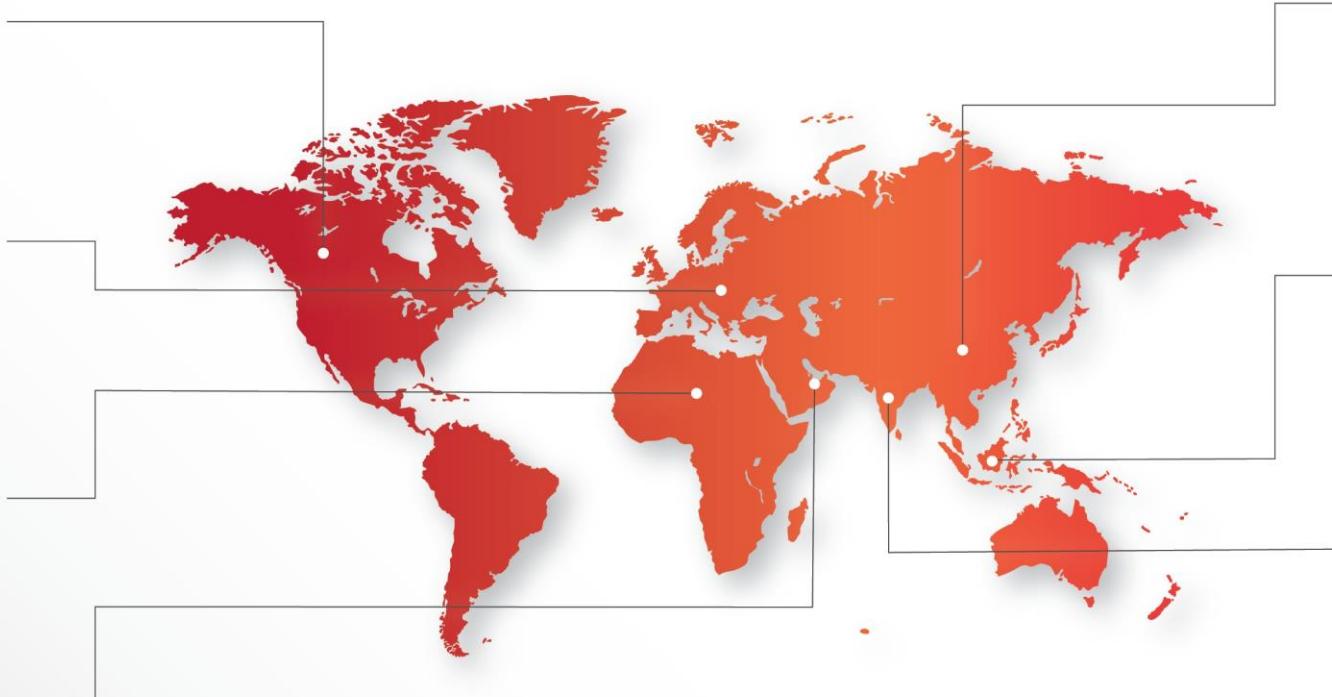
China
Japan
South Korea

Southeast Asia

Indonesia
Malaysia
Thailand
Philippines
Singapore
Vietnam
Brunei Darussalam
Myanmar
Cambodia
Timor Leste

South Asia

India
Pakistan
Bangladesh



“ We are capitalizing the best benefit and potential sources owned by each companies to produce the best products and services to the customers and be present in worldwide market. **”**



Our Strategic Partners

52 from **18**
Strategic Countries

Joint Venture
Joint Marketing
Joint Production
Joint Manufacture
Joint Operation
Joint Development
Joint MRO

Supply Agreement
Technology Acquisition
Transfer of Technology
On the Job Training
Finance Solution
Global Supply Chain

“ We apply the principle of dual used technology in product development and are supported by global strategic partners to increase capacity and capability. ”



Defence Sectors

Naval

babcock **BOFORS** **DSME** **LEONARDO** **NAVAL GROUP** **TERMA** **THALES** **POSCO INTERNATIONAL**

Air Defence

AIRBUS DEFENCE & SPACE **AIRBUS HELICOPTERS** **BELL** **KAI** **LEONARDO** **SAAB** **THALES** **TURKISH AEROSPACE**

Land Defence & Weapon

CARACAL **COLT.** **FNSS** **John Cockerill** **iLachassée** **RHEINMETALL** **TANFOGLIO** **THALES**

Others

Armaco **AVIBRAS** **Bowas-Induplan Chemie** **CHS** **RHEINMETALL** **SCYTALYS**



Non-Defence Sectors

Maritime

BPPT **LNT** **POSCO INTERNATIONAL** **Rekind** **SAIPEM** **WÄRTSILÄ**

Aerospace

AIRBUS GROUP **BELL** **BOEING** **KAI** **TURKISH AEROSPACE**

Land Solution

ALTPRO **DOOSAN** **HIMA** **PUPUK INDONESIA HOLDING COMPANY** **Sécheron** **SIEMENS** **WOOJIN**

Others (ICT, electronics, energetic material)

DAVEY BICKFORD Enaex **SEGIN** **Hanwha** **HUNTING** **openaccess network audio innovation**



Holding in supporting the fulfillment of Defence Technology Modernization

SATELITE



DETECTION SYSTEM & INTEGRATED COMMUNICATIONS

C5ISR (Tactical Datalink, ICCS, Sistem NCW), Tactical Radio Communication

Len

RADAR



Integrated Maritime Surveillance System, Air Surveillance Radar, Radar GCI, Radar Cuaca, Over the horizon radar

MEDIUM TANK

Medium Tank with Battle Management System



BIG DATA Cyber Security



FIGHTER JET

N219 - CN235 / N245 - KFX/IFX

AERIAL DRONE / UAV

UAV Platform, Mission & Payload System

MISSILE SYSTEM

COMBATANT SHIP

KCR 60M, OPV 90M, LPD / SSV, Frigate,

UNDERWATER DRONE

SUBMARINE SHIP

Nagapasa Class, Alugoro Class 1500 Ton

Electronics System



Len Industri

30 Years Since 1991

To become
a world-class trusted
technology company.



Defence Electronics Transportation System Renewable Energy



ICT & Navigation Industrial

Products

Defence Electronics (C5ISR)
Tactical Radio Communication
Radar System
Combat Management System
Solar PV Module & Derivative Products

Renewable Energy Power Plant
Railway Signalling, Telecommunication,
Traction, & Substation System
Electronics ID Card Reader
Financial Technology

Digital TV Transmitter
Training Simulator
Air Traffic Management System
Software & Electronics System Development

Weapon CS & EW

Mission System UAV
Starstreak Indonesia
Combat System MRLF



Sensor System

Medium Range Radar
Air Surveillance Radar
Optronic System
Identification Friend Or Foe (IFF)



Communication System

HF - VHF - V/UHF Manpack/
Vehicular/Base Station
Comm. Radio, Naval Intercom



C2 System

Tactical Datalink
Combat Management System
Maritime Surveillance System



Training System

Simulator System
Learning Management System



Projects



Medium Range Radar



Starstreak Indonesia



Gunnery Firing Range



Modernization of
Combat System
MRLF



National Tactical
Data Link & C2
System

Energetic Material



DAHANA
55 Years Since 1966

To be a leading national industry in the field of energetic materials by providing highly competitive and environmentally friendly goods and services.



Drilling & Blasting Services



Explosives Manufacturing



Defence Related



Related Services

Products

Catridge Emulsion
Danfo
Shaped Charges
Non Electronic Detonator
Pentolite Booster
Ansol

Emulsifier
Nitroglycerin
TNT Filling
Fuze Bomb
Propelan Composite
Dayagel Magnum

Dayagel Sivor
C-4
Detonator
P100L, P500L Bomb
Warhead Fletchette
Derivative of Nitric Acid

Exports



Dayagel Series



Dayagel Series



Dayagel Sivor



Dayagel Sivor



P100L Bomb



Blast Effect Bomb

Indonesian Customers

Aceh

-Senagan Energy

North Sumatra

-Sinohydro-Batangtoru

Riau Islands

-Karimun Group

West Sumatra

-Semen Padang

South Sumatra

-Bukit Asam

Banten

-Indonesia Power

West Java

-Holcim-Bogor

-Sinohydro-Jatigede



North Kalimantan

-CK-MBA

-J Resources

Central Kalimantan

-IMK

-KTC-BBP

-KTC-Tamtama

North Sulawesi

-J Resources

-Sinohydro-MCL

South Sulawesi

-Semen Tonasa

East Kalimantan

-BBE

-HPU-Tanito

-KWN-PIK

-MPP

-NPI-MSA

-Pama-TCM

-PPA-KJB

-RBA-Berau

-RCI-ABK

-RCI-MSA

-SBE-Berau

-MHU

-CK-AGM
-BSS-AGM
-GMT-BRE
-JB-Arutmin
-Petrosea-BMB

Aerospace Platform



Dirgantara Indonesia

45 Years Since 1976

Lead the Medium & Light Turboprop Aircraft market and become the reference Aerospace Company in the Asia Pacific region by optimizing best commercial and industrial competences.



Aircraft



Aerostructure



Engineering Services & Weapon System



Aircraft & Engine Services

Products

Fixed Wing
Rotary Wing / Helicopter
MRO (Maintenance, Repair & Overhaul) and Alteration
Aircraft Tooling and Airframe Component
Engineering Services
Weapon System



CN235-220



NC212i



N219



H225M



H215M



BELL 412 EPI



AS365 N3+ DAUPHIN

Worldwide Customers

UAE
7
CN235-220

Turkey
9
CN235-220

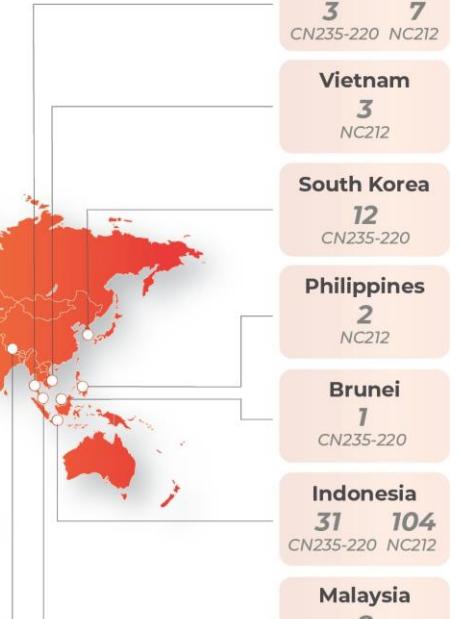
Burkina Faso
1
CN235-220

Senegal
3
CN235-220

Venezuela
1
CN235-220

Pakistan
4
CN235-220

Nepal
1
CN235-220



	On Going Production	To be Delivered	Worldwide Population
CN235-220	1 unit for TNI AL	1 unit	69 units
NC212i	8 units for TNI AU 2 units for MOAC (Thailand)	11 units 1 unit for DRC Congo	117 units
H225M	8 units for TNI AU 2 units VIP for TNI AU	NA	NA
BELL 412 EPI	6 unit for TNI AL	NA	NA

Naval Platform



PAL Indonesia

41 Years Since 1980

As a world class construction company in the field of maritime and energy industries.



Products

Naval Ships
Commercial Ship
Submarine
Offshore Structures
Onshore Facilities
Power Plant
Maintenance, Repair, & Overhaul



Fast Attack Vessel
(KCR) 60 m / OPV



Light Frigate
(PKR) 105 m



Strategic Sealift
Vessel



Landing Platform
Dock



Maintenance,
Repair, & Overhaul



Submarine



Offshore



Onshore



Floating
Production Unit



Barge Mounted
Power Plant

Exports



Germany
STAR50



United Kingdom
DCV 18,500 DWT



France
Nuclear Power
Plant Chasing



USA
Statorframe 650



Italy
DCV 18,500 DWT



Egypt
Deaerator



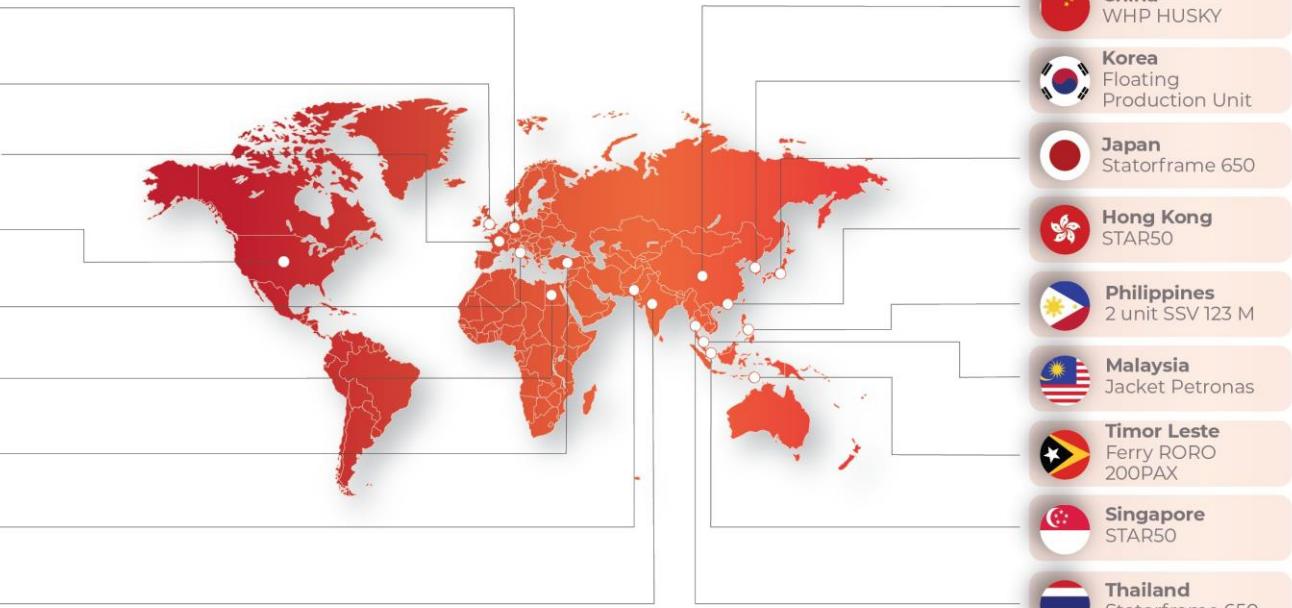
Turkey
STAR50



Pakistan
Statorframe 650



India
Statorframe 650



Land Platform



Pindad

38 Years Since 1983

To become the top 100 global defence company in 2024 by offering high quality solutions and products through innovation and strategic partnerships.



Defence &
Security
Product



Industrial
Product

Products

Weapons
Munitions
Special Purpose Vehicles
Heavy Equipment and Services
Transportation Infrastructure
Mining Services



ANOA 6x6 APC KOMODO 4x4 APC Badak 6x6 Combat Vehicle Medium Tank Harimau



Tactical Vehicle 4x4 Maung SS2-V5 A1 Assault Rifle PM3 Submachine Gun



SPR-4 Sniper Rifle SM5 Machine Gun Excava 200 Amphibious Tracktor PTM-90

Medals



DefendID weapons and munitions which were used by Indonesian National Army (TNI) shooters contingent achieved proud achievements as winning various international shooting competition such as AASAM, AARM, and BISAM.

Australian Army Skill at Arms Meeting (AASAM)
2008-2019: 1st

ASEAN Armies Rifle Meet (AARM)
2006: 1st
2007: 2nd
2008-2014: 1st
2016: 1st
2018: 1st

Brunei International Skill at Arms Meet (BISAM)
2005-2015: 1st



850 personnel of The Garuda Contingent Task Force (Konga) received The UN Medal as an award for carrying out a mission to maintain peace.

DefendID also supports the performance of the MONUSCO RDB Garuda Indo Contingent Task Force in Congo through its products.

UN Missions



United Nations Multidimensional Integrated Stabilization Mission in the Central African Republic (MINUSCA)



4 units Anoa 6x6 support peace keeping operation in Central African Republic

United Nations Organization Stabilization Mission in the DR Congo (MONUSCO)



21 units Komodo 4x4 and 2 units Anoa 6x6 Recovery support peace keeping operation in DR Congo

United Nations Interim Force in Lebanon (UNIFIL)

20 units Anoa 6x6 support peace keeping operation in Lebanon

The United Nations-African Union Mission in Darfur (UNAMID)

24 units Anoa 6x6 support peace keeping operation in Sudan



IDMR!

Indonesia Defence and Manufacturing
Research Institute

INDONESIA DEFENSE & MANUFACTURING RESEARCH INSTITUTE



Vision

To become a world-class Research Institute that contributes to improving core competencies, maximizing strategic partnerships, and providing value-added solutions to support the independence and sustainability of the national defense and manufacturing industries



Mission

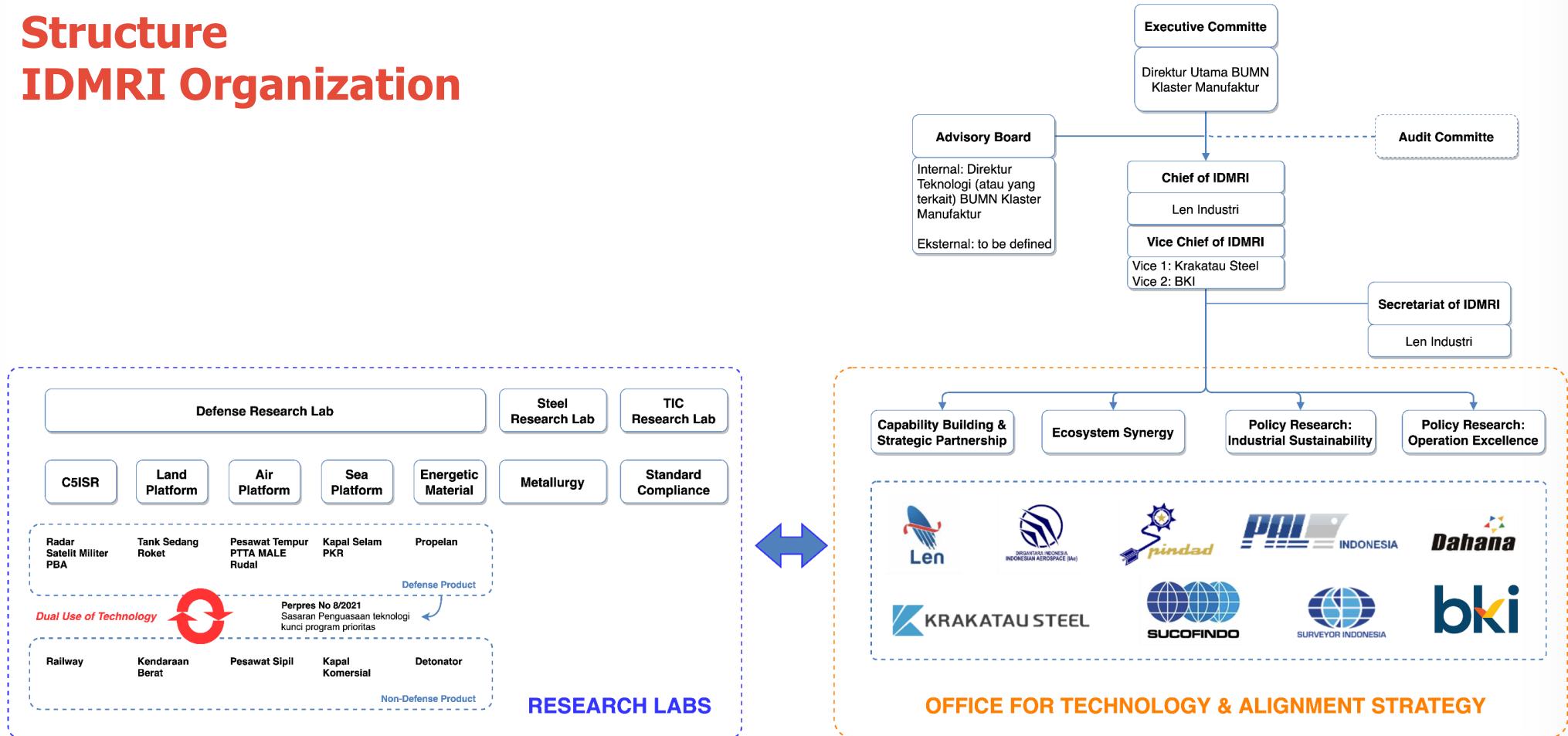
- Building the **capability of the Defense and Manufacturing Industry** focuses on **strengthening core competencies** and maximizing **strategic partnerships**
- Increasing **ecosystem synergy** to support the **strengthening of defense & manufacturing technology and industries**
- Recommend **sustainable defense** and manufacturing industry **policies through research policy and business model innovation**



Objective

- Building research and innovation collaborations that can strengthen core competencies, provide added value for dual used of technology and new technology
- Building an integrated research and innovation roadmap for defense and manufacturing industry clusters
- Building an ecosystem of defense and manufacturing industries that complement each other and can provide added value to increasing capabilities
- Building strategies for dual-use character optimization, potential for national research collaborations,
- Support the process and provide input for the formulation of government policies (Policy Makers)
- Establishing innovative business models based on research policies to provide significant and sustainable economies of scale
- Recommend national defense and manufacturing industry governance and policy systems

Structure IDMRI Organization



IDMRI Goals & Directions

The establishment of IDMRI as an effort to support the achievement of world-class manufacturing and defense



Purpose & Direction

Goals and Directions for the Development of State-Owned Enterprises for the Defense and Manufacturing Industry as the main reference for the establishment of IDMRI

- Technology independence & business improvement
- Creating a synergy for the development of the Defense Industry.
- Coordination between BUMN & Government Control

Allignment Strategy, Core Competency, Partnership, Sinergy Programs

Building the Capability of the Defense and Manufacturing Industry that is in line with the needs, by increasing the Allignment Strategy, Core Competence, Partnership, Synergy

- Organizational Allignment Strategy, based on core competency, core business, & core products
- Strategic Partnership, have business and technology benefits (technology owner partnership, development program)
- R&I together (Synergy Program)
- Development dual-use of technology

Indonesia Defence & Manufacturing Research Institute



Technology as basis of excellence

Establishing IDMRI, with technological aspects as the basis of excellence

- Key technology Identification
- Technology commonality
- Technology principal Strategic partnership
- Reverse engineering
- R&I for supporting Business Priority Roadmap



Support for WorldClass Industry

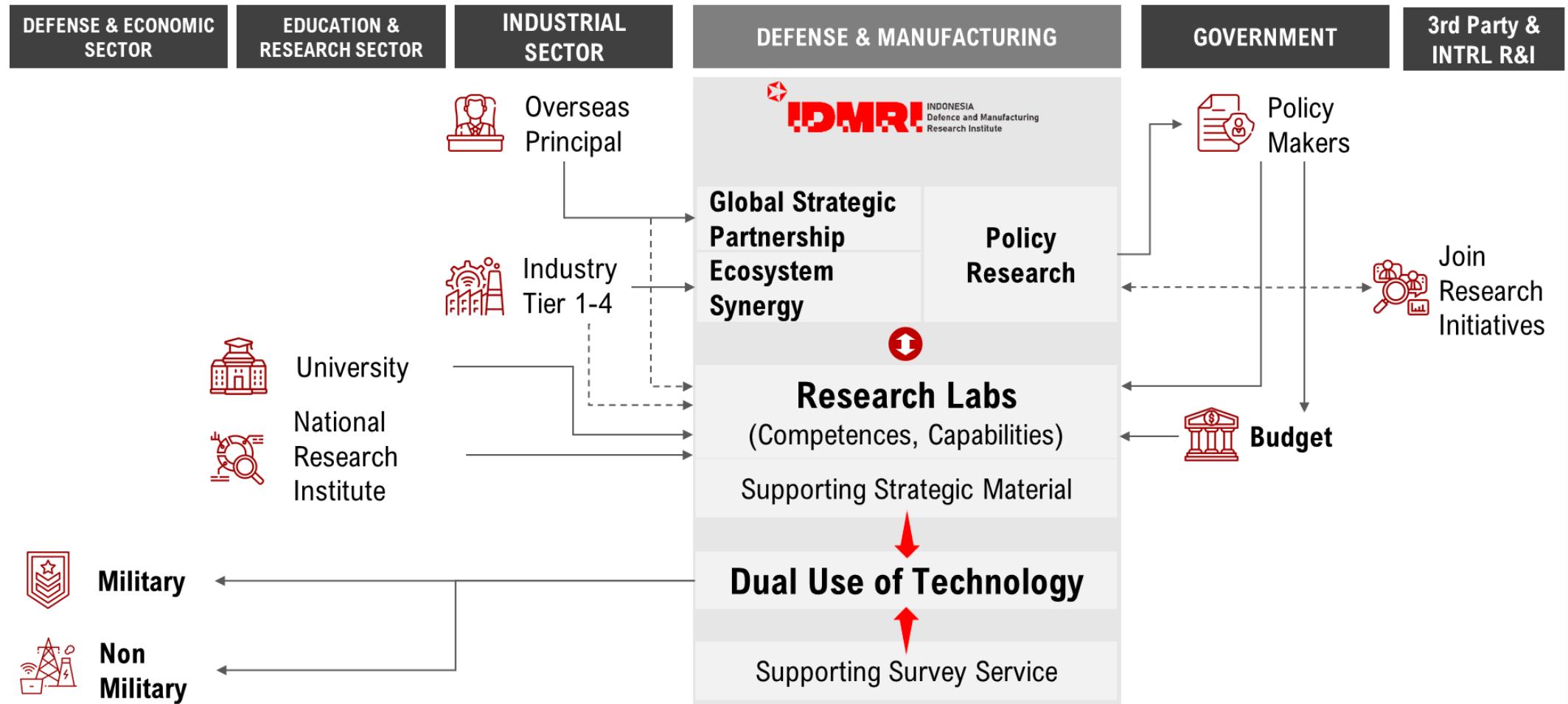
Support the achievement of WorldClass Defense and Manufacturing Industry targets

Technology for Business

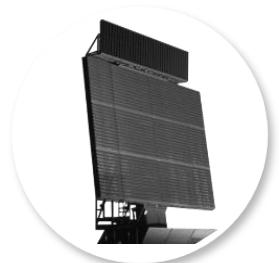
Building the Capability of the Defense and Manufacturing Industry that is in line with the needs, by increasing the Alignment Strategy, Core Competence, Partnership, Synergy

- Becoming a part of the Global Supply Chain gradually with the ultimate goal of doing R&I at the platform level.
- The establishment of a Research Institute (IDMRI), in the medium-long term is expected to achieve technological mastery from international partners / OEM

IDMRI Program Concept and Design



Research & Innovation with Key Technologies



Radar

Government : Balitbang Kemhan LAPITB

Private Company:
PT Infoglobal
Teknologi Semesta
PT Radar
Telekomunikasi
Indonesia



Tank Boat

Government :

Manufacturing Cluster SOE :

BUMS:
PT Lundin Industry Invest
PT Hariff Daya Tunggal
Engineering



Rudal RN01-SS

Government :

Manufacturing Cluster SOE :
PT Len Industri (Persero)
PT Dahana (Persero)
PT Pindad (Persero)

Private Company:
PT Mulia Laksana Adhitama
PT Aero Terrascan Indonesia



UAV MALE

Government :
BRIN (BPPT, Ristek, LAPAN)
Balitbang Kemhan

Manufacturing Cluster SOE :



Contact Us

	Head Office	Website	Email	Phone.	Fax.
	Jl. Soekarno-Hatta No.442, 40254, Bandung, Indonesia	https://www.len.co.id	marketing@len.co.id	+62-22-5202682	+62-22-5202695
	Jl. Raya Subang- Cikamurang Km. 12 Cibogo, 41285 Subang, Indonesia	https://www.dahana.id	corporate@dahana.id	+62-260-742333	+62-260-7423888
	Jl. Pajajaran No. 154, 40174, Bandung, Indonesia	https://www.indonesian-aerospace.com	sekretariatptdi@indonesian-aerospace.com	+62-22-6055599	+62-22-6054185
	Jl. Ujung Surabaya, 60155, PO BOX 1134, Surabaya, Indonesia	https://www.pal.co.id	headoffice@pal.co.id	+62-31-3292275	+62-31-3292530
	Jl. Terusan Gatot Subroto No. 517, 40285, Bandung, Indonesia	https://www.pindad.com	info@pindad.com	+62-22-7312073	+62-22-7301222

DEFENCE INDUSTRY INDONESIA



THANK YOU

