



Ministry of Education and Culture Republic of Indonesia

Toward the Establishment of Indonesian Automotive Research and Development Institute (INARD)

Indrawanto

member of

The National Electric Car
Team

(MOLINA)

**2nd Asian Automotive Institute Summit, Denpasar - Bali,
25-27 November 2013**

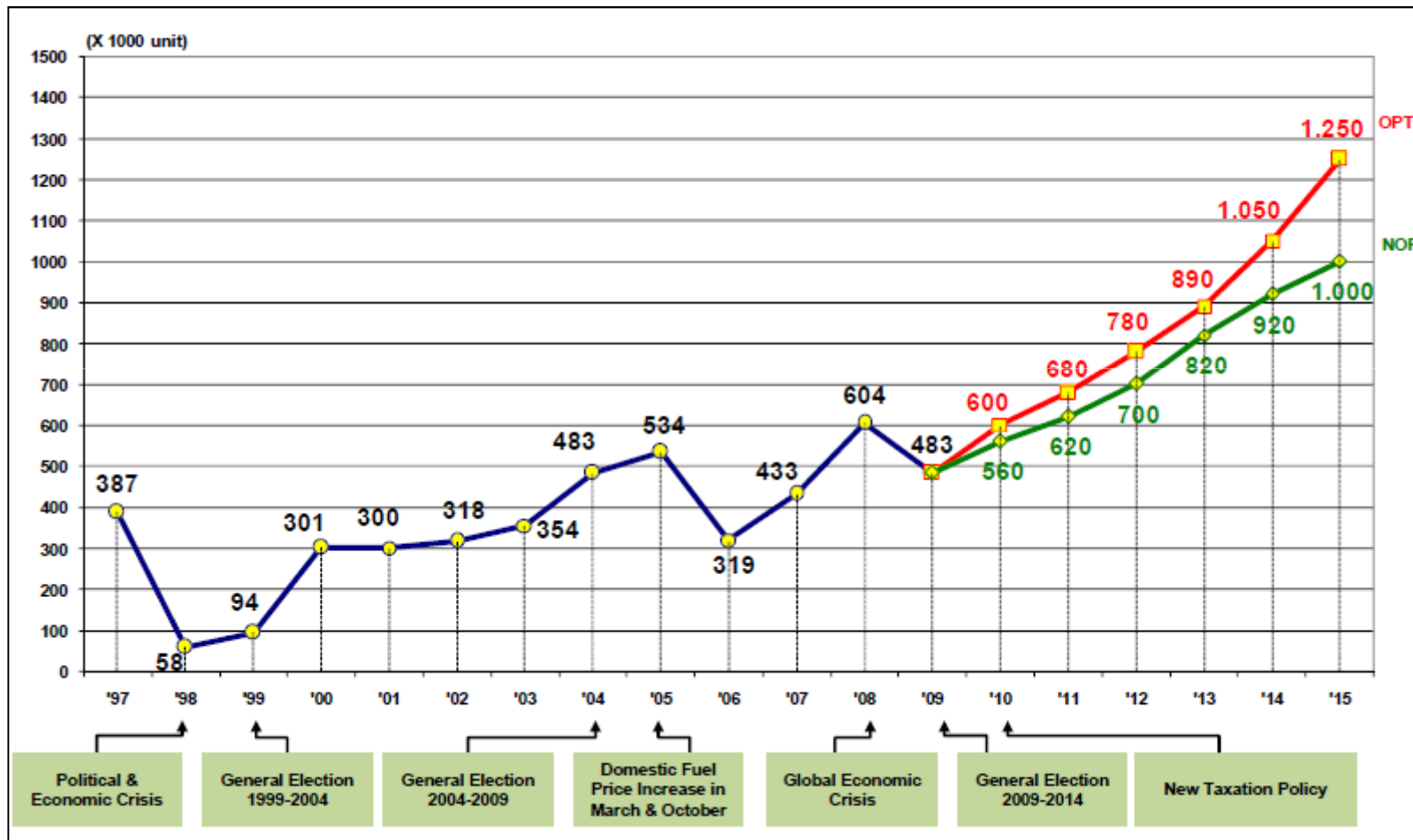


CONTENT

- **BACKGROUND**
 - Indonesia Automotive Market,
 - Indonesia Automotive Manufacturers,
 - Present Automotive Industries in Indonesia
- **INARD**
 - Vision and Mission,
 - Function, Activities,
 - Partnerships
- **Conclusion**

BACKGROUND

Indonesia Automotive Market & Forecast 1997-2015



(Source Gaikindo, 2011)

BACKGROUND

Indonesia Automotive Market 2008-2012

	2008	2009	2010	2011	2012
Indonesia's Car Sales (number of car units)	607,805	486,061	764,710	894,164	1,116,230

(Source Gaikindo, 2011)

BACKGROUND

Indonesia Automotive Sales by Brand

Car Brand	Jan - April 2013	Jan - April 2012	Growth (%)
Toyota	143,677	130,317	10.25
Daihatsu	57,623	53,763	7.17
Mitsubishi	52,411	48,585	7.87
Suzuki	49,839	28,055	77.64
Honda	33,479	11,875	181.92
Nissan	20,070	22,809	-12.00
Isuzu	10,737	10,476	2.49
Total	397,991	337,974	17.75

Source: Investor Daily

BACKGROUND

Indonesia Automotive Sales January – April 2012-2013

	Jan - April 2012	Jan - April 2013	Growth (YoY)
Indonesia's Car Sales (number of car units)	337,974	397,991	17.75%

	January	February	March	April	Total
Indonesia's Car Sales 2013 (number of car units)	96,705	103,284	95,936	102,082	397,991

Source: Brand Holder Agents

BACKGROUND

Indonesian Car Manufacturers

Indonesian Car manufacturers joined in ASIANUSA:
AG-TAWON, FIN KOMODO, MERAPI, GEA, BONEO, KANCIL
and ITM



FIN KOMODO



BONEO



AG-TAWON



KANCIL



GEA

BACKGROUND

Indonesian Car manufacturers

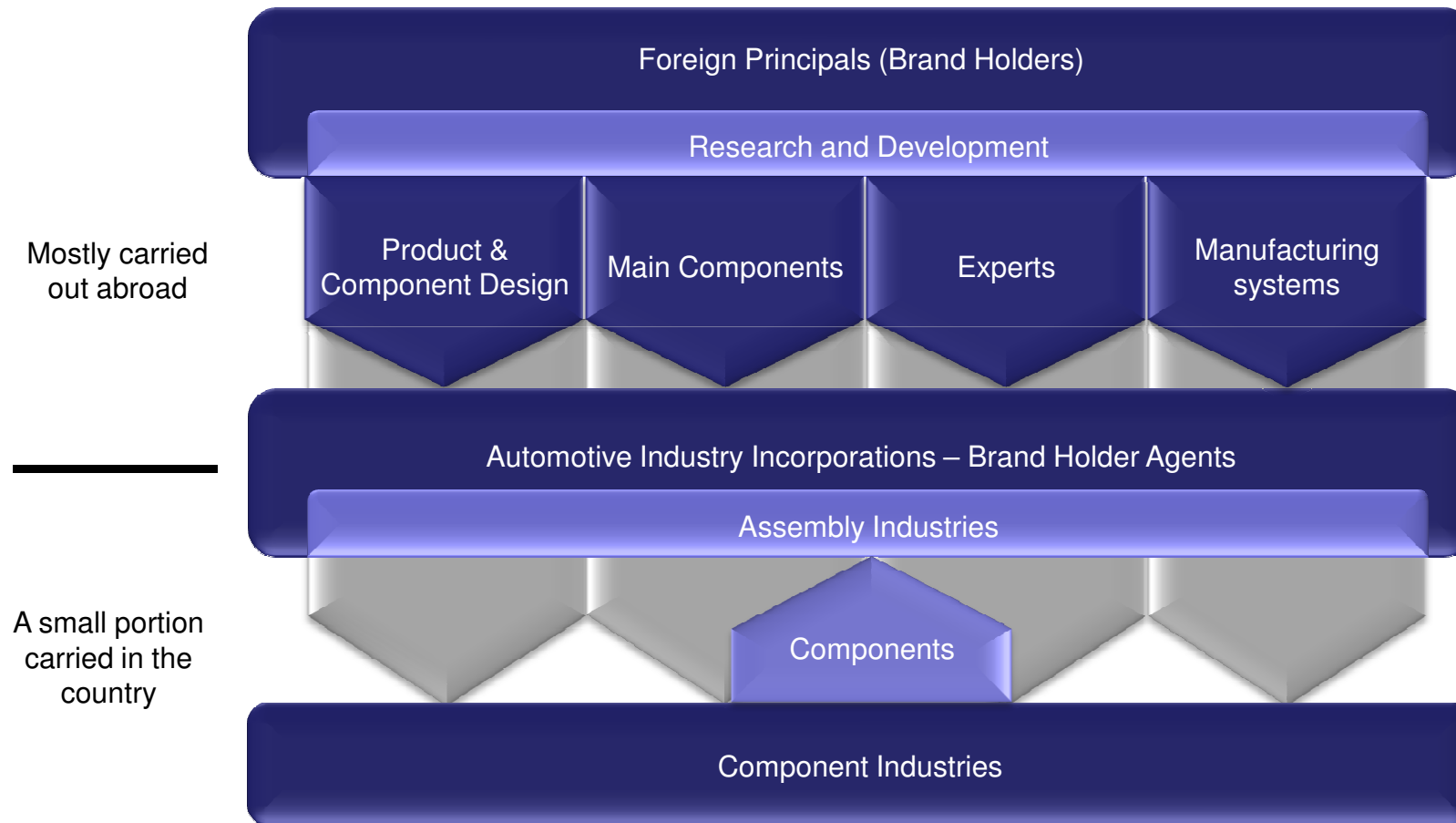
The Indonesian car manufacturers typically belong to Small and Medium Enterprises (SMEs) with:

- Limited capital
- Limited technological mastery
- Limited market access
- Limited Government support
- Almost no support from banks

One of the objectives of INARD establishment is to help the SMEs and associated component industries in particular but not limited to technological aspects

BACKGROUND

Present Condition of Automotive Industries in Indonesia



INARD

Vision and Mission

VISION

To Be a Research, Engineering, and Development Institute to support the achievement of National Automotive Industries as World-class industries.

MISSION

- To develop human resources in the automotive field based on a grading system,
- To develop technology (national platform) in design, manufacturing, and testing of automotive products and components,
- To develop special production equipments for automotive industries.

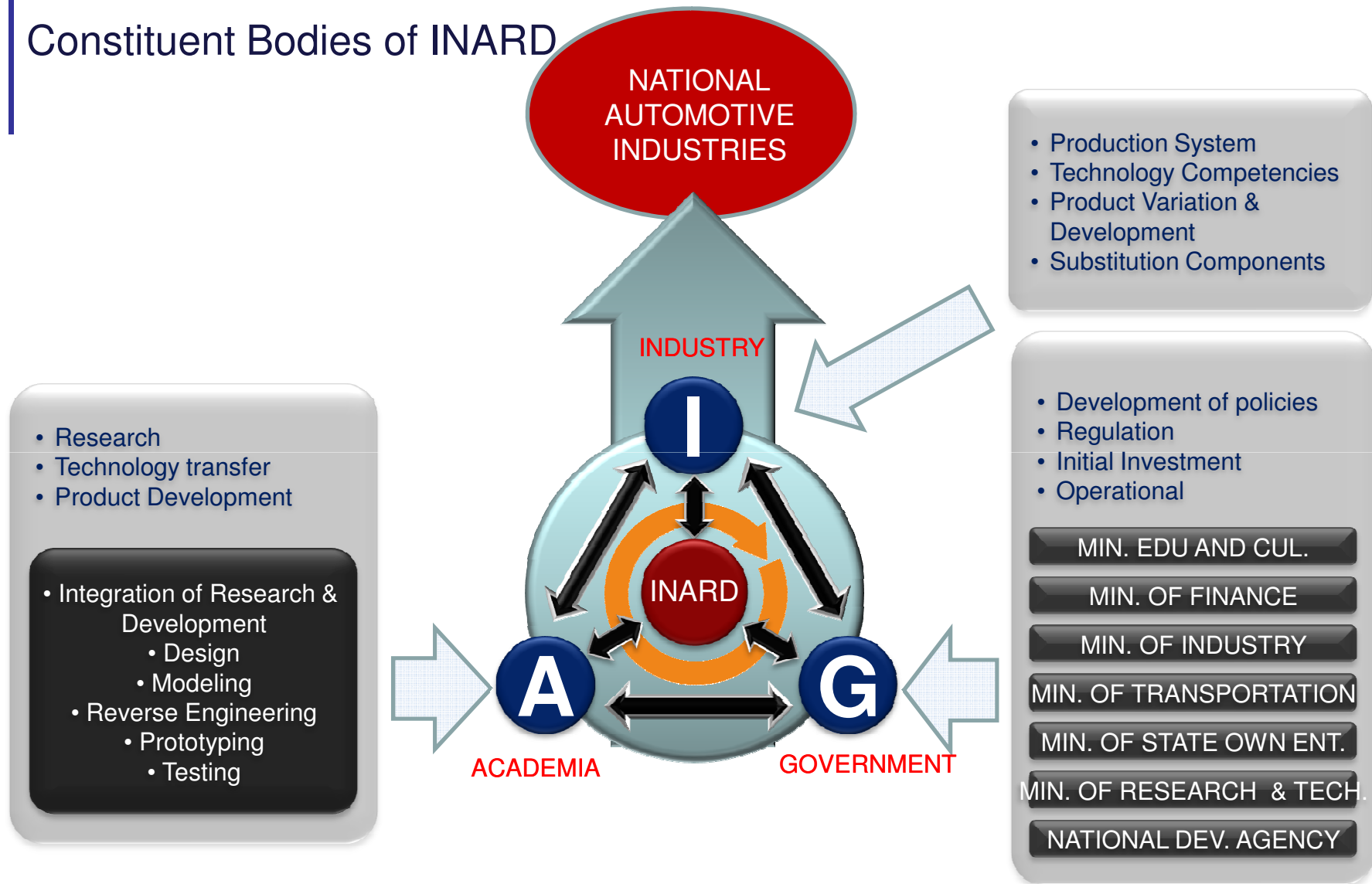
INARD

Function

- Assist the government to carry out policy review,
- Assist the government and industries in the field of standardization, certification, calibration, and verification,
- Assist national automotive industries in research and development,
- Assist national automotive industries to improve and develop their human resources,
- Bridging the cooperation between universities, research institutes and national automotive industries.

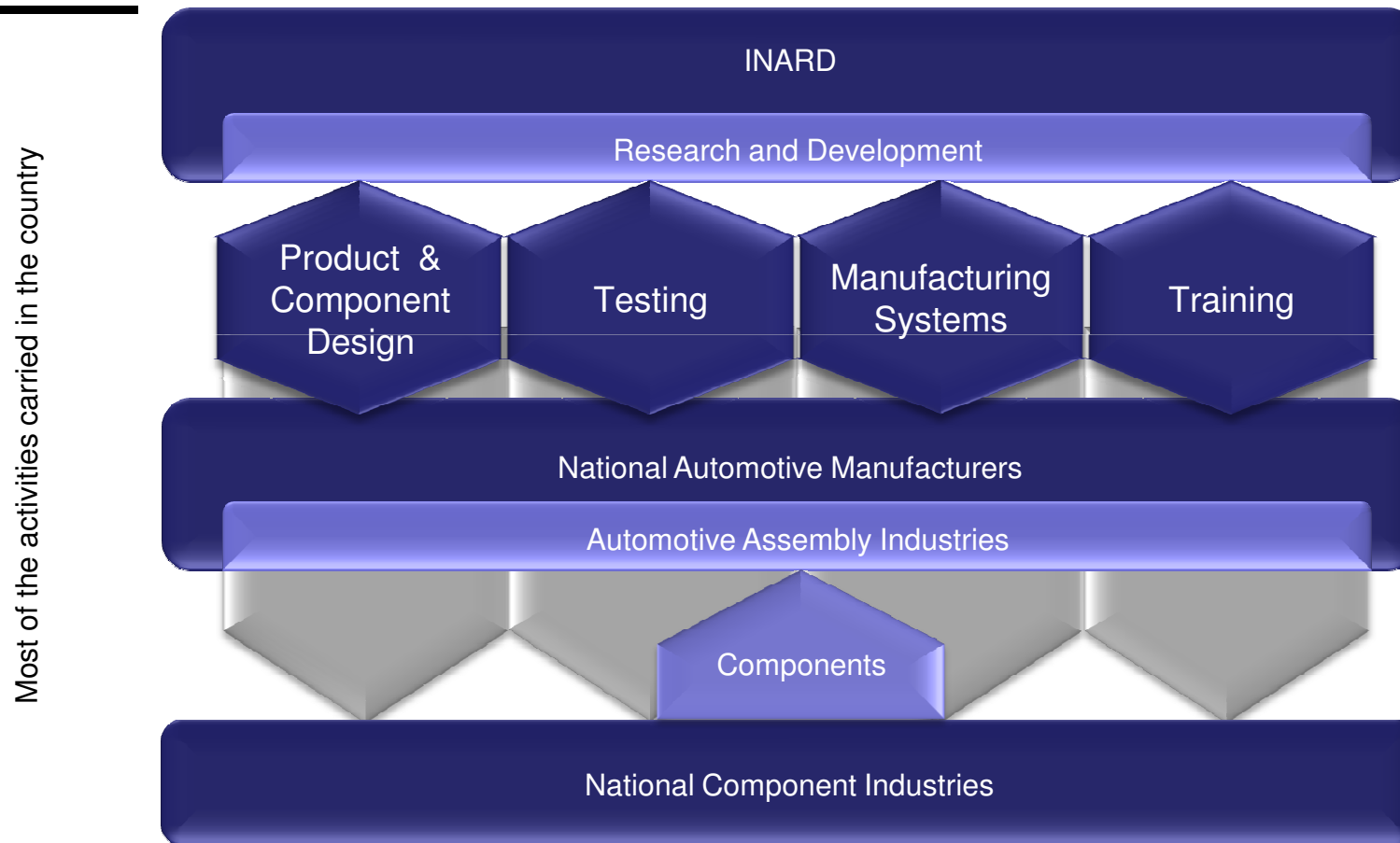
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Constituent Bodies of INARD



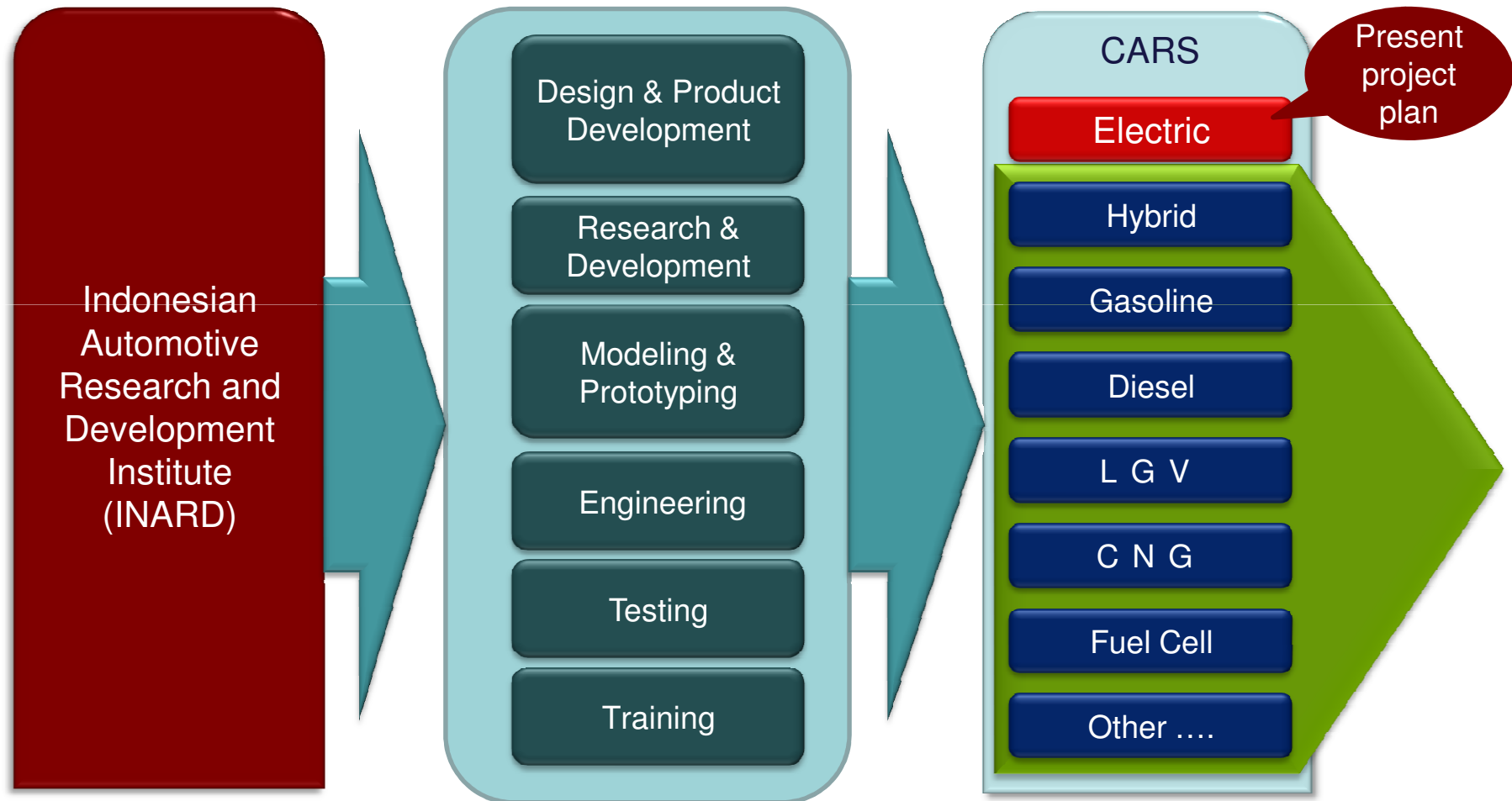
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Expecting Indonesian Automotive Industries after INARD



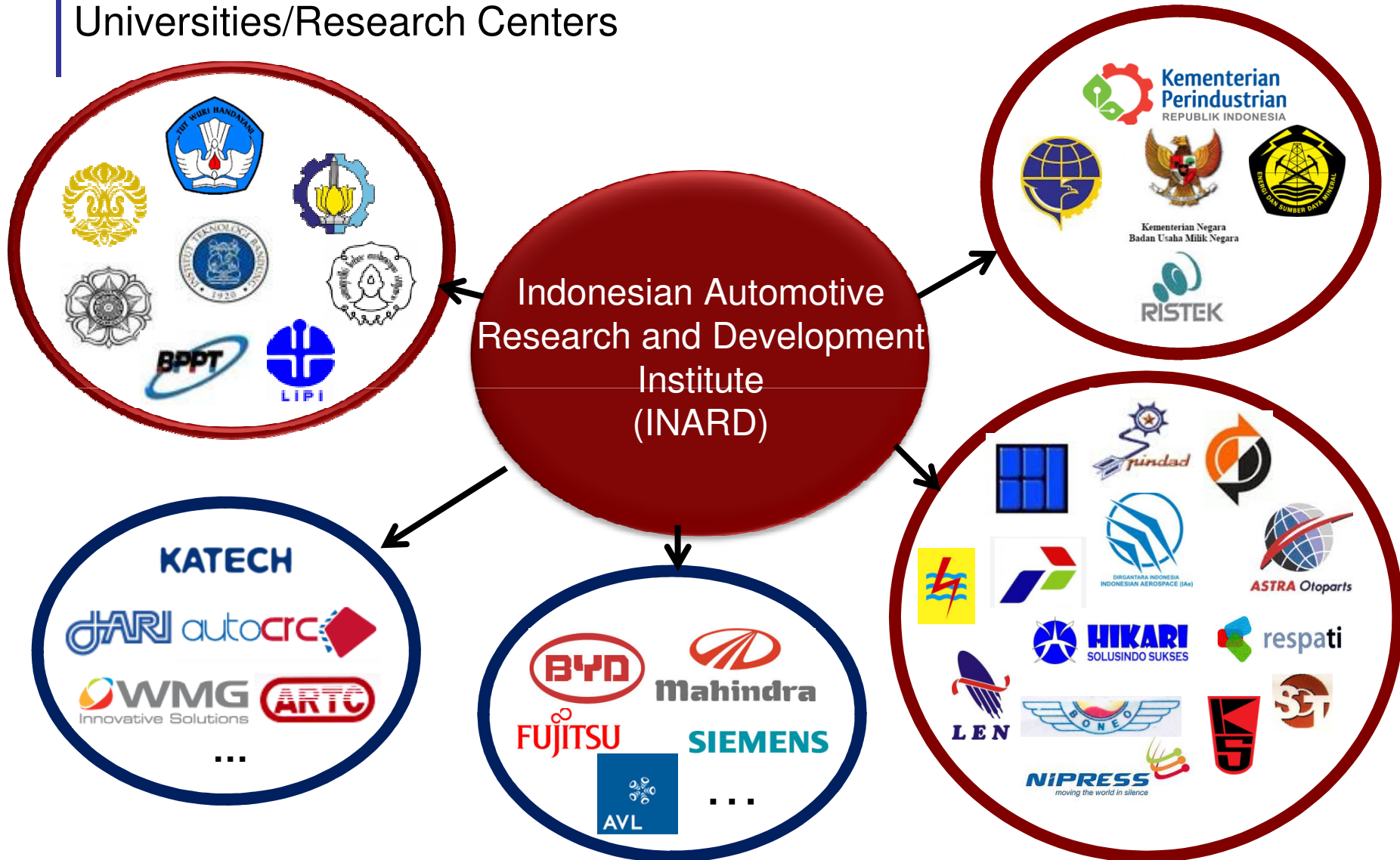
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INARD's Activity Plan



INARD

Partnership: Founder – Government – Companies – Universities/Research Centers



CONCLUSION

- Indonesia's automotive market has grown at average of 10% in recent years and will grow in the coming years,
- Although automotive production and market in Indonesia are growing, however the mastery of automotive technology is not well developed,
- Indonesia requires an Automotive Institute (INARD) to assist in the mastery of automotive technologies and to facilitate the development of national automotive industries,
- Opportunities for mutually beneficial cooperation between Indonesia and Foreign Automotive Institutes are widely open.



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Thank You

