

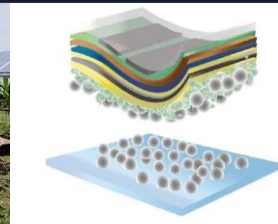
Genetic Engineering and Biotechnology



Metal and Materials



Electronics and Computer Technology



Nanotechnology

R&D Management in Thailand Perspective

NATIONAL SCIENCE AND TECHNOLOGY
DEVELOPMENT AGENCY

Dr. Narong Sirilertworakul, President



THAILAND 4.0

Prosperity, Security, Sustainability



New Engine of Growth

S-CURVE

Next-Generation Automotive
Smart Electronics
Affluent, Medical and Wellness Tourism
Agriculture and Biotechnology
Food for the Future

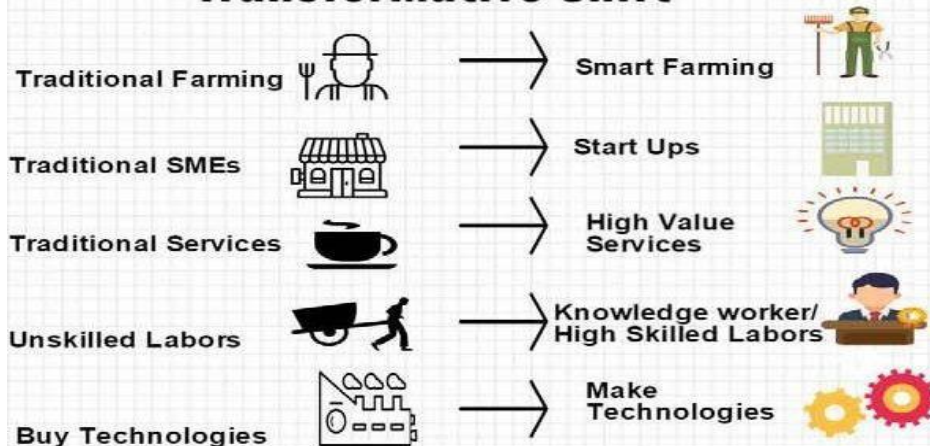


NEW S-CURVE

Robotics
Aviation and Logistics
Biofuels and Biochemicals
Medical Hub
Digital

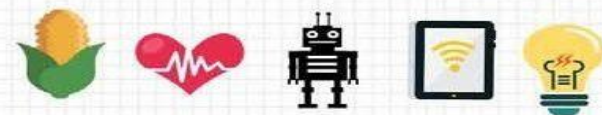


Transformative Shift



Clusters for Innovation & Start Ups

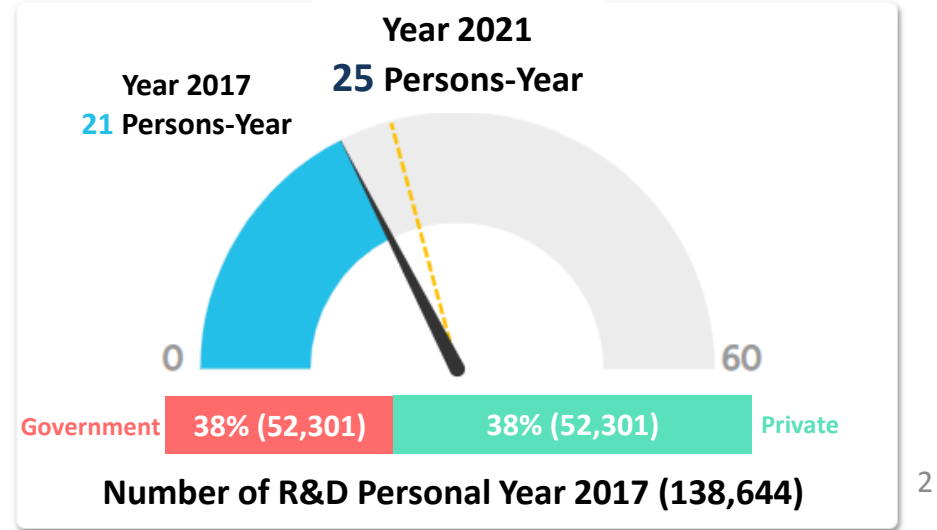
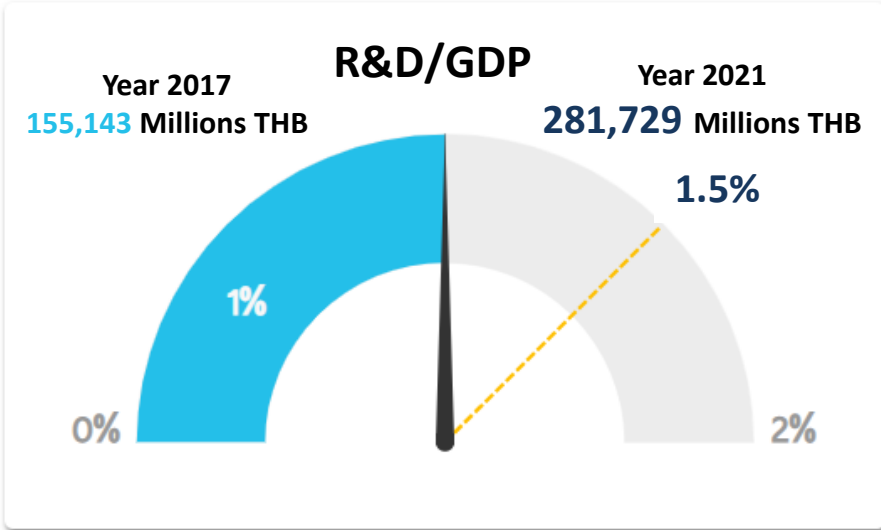
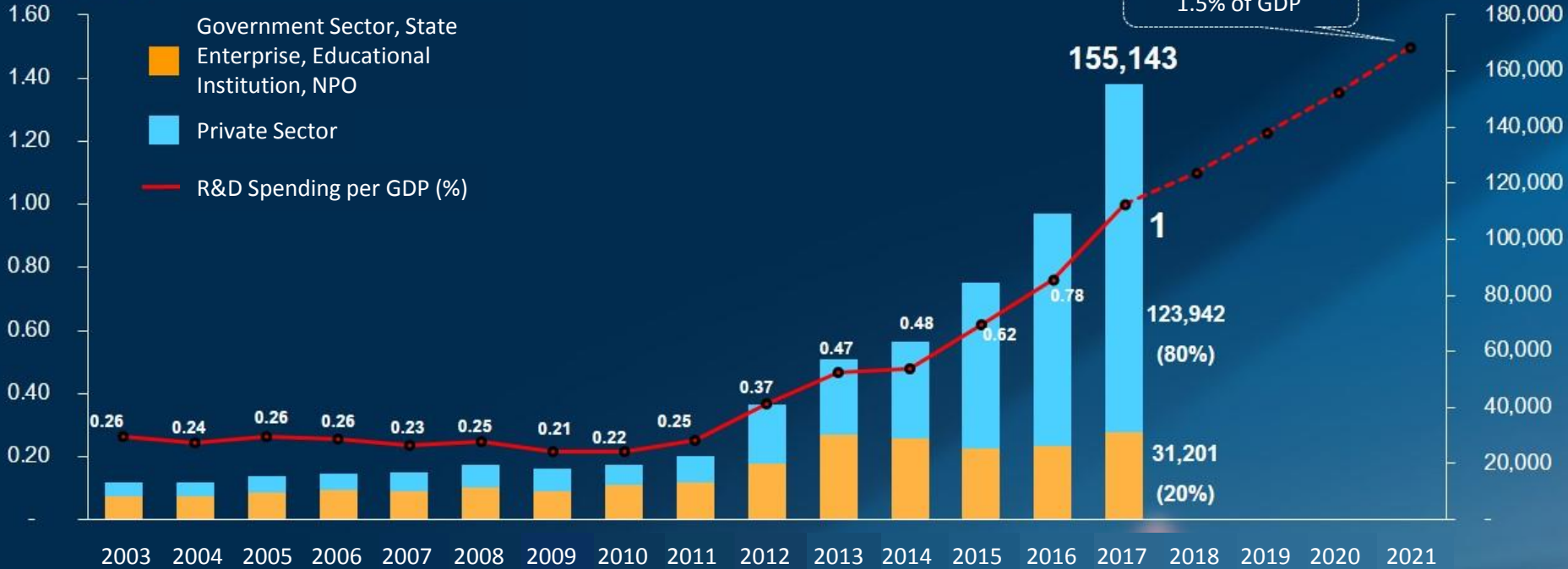
Food Agriculture & Bio-Tech
Health, Wellness & Bio-med
Smart Devices, Robotics & Mechatronics
Digital, IoT & Embedded Technology
Creative, Culture & High Value Services



Gross Expenditures on R&D of Thailand



% per GDP



New Ministry: Science Technology and Higher Education Ministry (STEM)



**Ministry of
Science and
Technology**



**Office of the
Higher Education
Commission**



**National
Research Council
of Thailand**



**Thailand
Research Fund**

2 Key Missions:

- Prepare Thai People for the 21st Century
- Country Development with Knowledge and Innovation

4 National Research Centers



5 National S&T Infrastructure (NEW)

- National Biobank of Thailand
- National Omics Center
- NSTDA Supercomputer Center
- Technology and Informatics Institute for Sustainability
- Center for Cyber-Physical Systems

2 Focus Centers (NEW)

- Assistive Technology and Medical Devices Center
- National Security and Dual-Use Technology Center



S&T Human Resources Development

Professional Researchers		Pro	Professional Education		New Entrepreneur Education
		Researchers	Entering Research Careers		
Higher Education		Bachelor - Ph.D. Degrees	Graduate Capacity Building		TAIST NUI-RC TIST
Basic Education		High School	Inspiring Kids to join Science Programs		
		Primary Education	Science Learning Promotion		

