

PRESENTATION SESSION #1

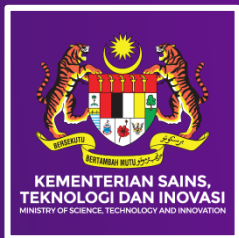
Facilities/Incentives to be covered:

Malaysia Grand Challenge (MGC)

RD4B

Research & Development for Business

By Mr. Ahmad Faizal bin Ghazalli,
Principal Assistant Secretary, Fund Division,
Ministry of Science, Technology and Innovation (MOSTI)



MALAYSIA GRAND CHALLENGE

DANA PEMACU TEKNOLOGI STRATEGIK
(PEMACU)



OBJECTIVE

The Honorable Minister of MOSTI launched the Malaysia Grand Challenge (MGC) on 8 January 2021 and was also held live through the MOSTI Facebook page.

The MGC is supported by the MOSTI Funding Fund aimed at elevating the National Science, Technology and Innovation agenda to enhance a sustainable and inclusive economy in line with the Science, Technology and Innovation Policy (DSTIN) for 2021 to 2030.



EVOLUTION OF R&D FUNDING RMKE-7 TO RMKE-12

R[DEMO] Funding has evolved from fundamental [DEMO] KPA [DEMO] ScienceFund [DEMO] to pre[DEMO] commercialisation stage [DEMO] AIF [DEMO] TeD [DEMO] TeD [DEMO] TeD [DEMO] BGF [DEMO] SRF [DEMO]

RMKe 7 & 8

IRPA

- Enhance socio economic development
- Strengthen capacity & capability building
- Accelerate commercialisation

RMKe 9

ScienceFund/ TechnoFund/ InnoFund

- Reprioritise of research to focus on agriculture, biotech, ICT, advance material and industry
- Strengthening industrial commitment
- Accelerate commercialisation
- Competitive bidding for prioritised project

RMKe 10

ScienceFund/ TechnoFund/ InnoFund

- Knowledge Generation, Wealth Generation & Societal Well-being
- Extension of focus area nanotech, biotech, ICT, Sea to Space, S&T core and industry
- To fund more on projects at applied research (Science Fund) and pre-com (Techno fund / Inno fund) stages.

RMKe 11

InnoFund/ ICF/ SMARTFund/ MOSTI R&D Fund

- Economic Growth & Societal Well-being
- Reprioritise focus area of pre-com into (i) Medical & Healthcare, (ii) Green Growth for Sustainable Development, (iii) Water, Food & Energy Nexus
- Expand to international R&D
- Improved access to Pre-com funding for Universities / Research Institution

RMKe 12

AIF/ TeD1/ TeD2/ BGF/ SRF

- Focus on Experimental Development
- Focus area according to 10-10 MySTIE framework
- Grand Challenges
- Improved access to Startup, MNC
- Fast track:
 - i. TeD1 → TeD2
 - ii. TeD2 → BGF
- Streamlining process between funding agencies under MOSTI

MOSTI R&D **LATEST FUNDING SCHEME**

Starting January 2021, the Ministry of Science, Technology and Innovation (MOSTI) offers five (5) fund schemes under Program Dana Pemacu Teknologi Strategik (PEMACU) which aims to develop an R&D ecosystem with the focus of Experimental Development



01 AIF

AIF (APPLIED INNOVATION FUND)

Increase the participation of innovators in innovative activities

Technology Readiness Level: TRL 2 – 4



02 TED1

TECHNOLOGY DEVELOPMENT FUND 1 (TeD 1)

Potentially commercialised

Technology Readiness Level: TRL 2 – 4



03 TED2

TECHNOLOGY DEVELOPMENT FUND 2 (TeD 2)

Towards commercialisation

Technology Readiness Level: TRL 4 – 7



04 BGF

BRIDGING FUND (BGF)

Increase product's readiness level for market penetration

Technology Readiness Level: TRL 7 – 9




05 SRF

STRATEGIC RESEARCH FUND (SRF)

Create high impact for the country and in accordance with the Dasar Sains, Teknologi dan Inovasi Negara (DSTIN)

Technology Readiness Level: TRL 3 – 9

 <https://edana.mosti.gov.my>



MALAYSIA

GRAND CHALLENGE

CHALLENGES



CULTURE, ARTS & TOURISM



ENERGY



ENVIRONMENT & BIODIVERSITY



EDUCATION



SMART TECHNOLOGY & SYSTEM
NEXT GENERATION ENGINEERING AND MANUFACTURING



MEDICAL & HEALTHCARE



BUSINESS & FINANCIAL SERVICES



AGRICULTURE & FORESTRY



SMART CITIES & TRANSPORTATION



WATER & FOOD



AIF Applied Innovation Fund

Increase the participation of
innovators in innovative
activities



APPLICANT

Individual/Association/Cooperation/Registered
NGOs/Sole Proprietor/ Partnership/
Limited Liability Partnership



QUANTUM & PROJECT DURATION

RM500,000.00 | 12 - 18 months



TECHNOLOGY READINESS LEVEL TRL 2 - 4

 <https://edana.mosti.gov.my>



TED1 Technology Development Fund 1

Develop the concepts related to technology design, processes or products that have the potential to be commercialised



APPLICANT

Start-up/SME/IHL/GRI/STI Agencies/
Community College & Polytechnic




QUANTUM & PROJECT DURATION

RM1,000,000.00 | 24 months



TECHNOLOGY READINESS LEVEL

TRL 2 - 4

 <https://edana.mosti.gov.my>



TED2 Technology Development Fund 2

Continuing the concepts development related to technology design, processes or products towards commercialisation to reduce valley of death



APPLICANT

Start-up/SME/IHL/GRI/STI Agencies/Community College & Polytechnic (Including non-Malaysian)



QUANTUM & PROJECT DURATION

RM3,000,000.00 (SME - Matching) 36 months



TECHNOLOGY READINESS LEVEL

TRL 4 - 7



BGF **Bridging Fund**

Increase the readiness level of R&D products in order to penetrate the market



APPLICANT

Start-up/SME/IHL/GRI/STI Agencies/
Community College & Polytechnic



QUANTUM & PROJECT DURATION

RM4,000,000.00 (SME - Matching) | 36 months



TECHNOLOGY READINESS LEVEL

TRL 7 - 9



SRF Strategic Research Fund

A top-down initiative for the development of strategic technology and innovation leading toward commercialisation and solving peoples' problems through the Malaysia Grand Challenge



APPLICANT

Start-up/SME/IHL/GRI/STI Agencies/Community College & Polytechnic (Including non-Malaysian)



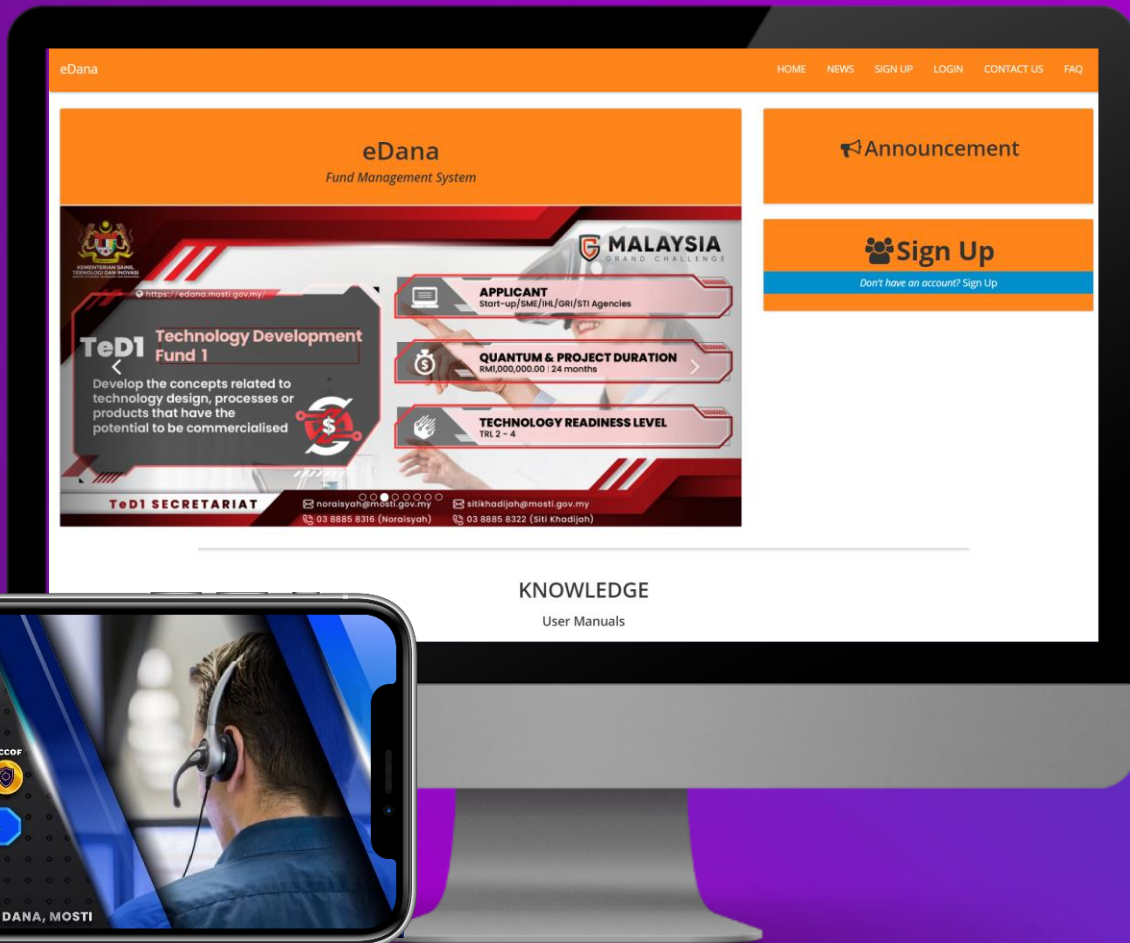
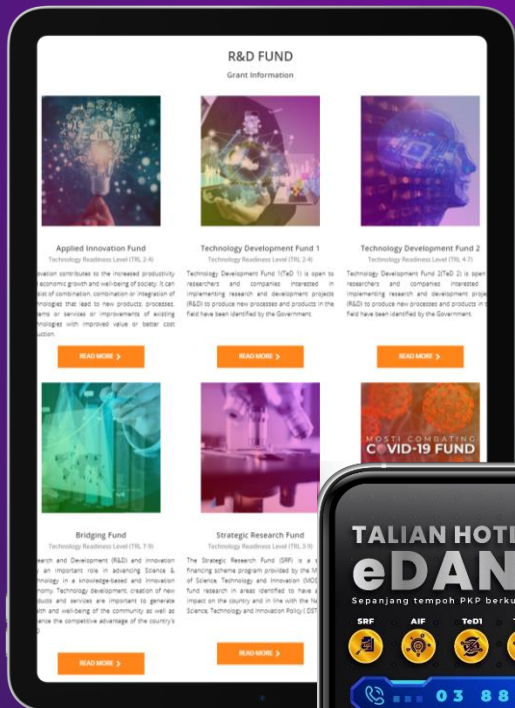
QUANTUM & PROJECT DURATION

RM15,000,000.00 (SME/MNC - Matching) | 36 months



TECHNOLOGY READINESS LEVEL

TRL 3 - 9

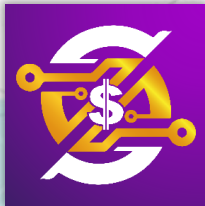


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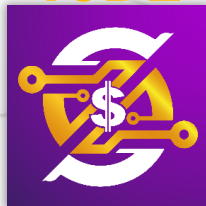
AIF



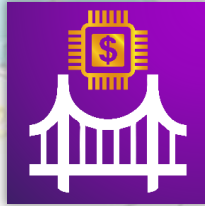
TeD1



TeD2



BGF



SRF



THANK YOU

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