



What is the Future of the Engineering Career

Presented by:

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(ACEM)

People in Engineering

Engineering Technicians (IOWs)
Engineering Technologists
Engineers

BEM

&

Technicians
Technologists

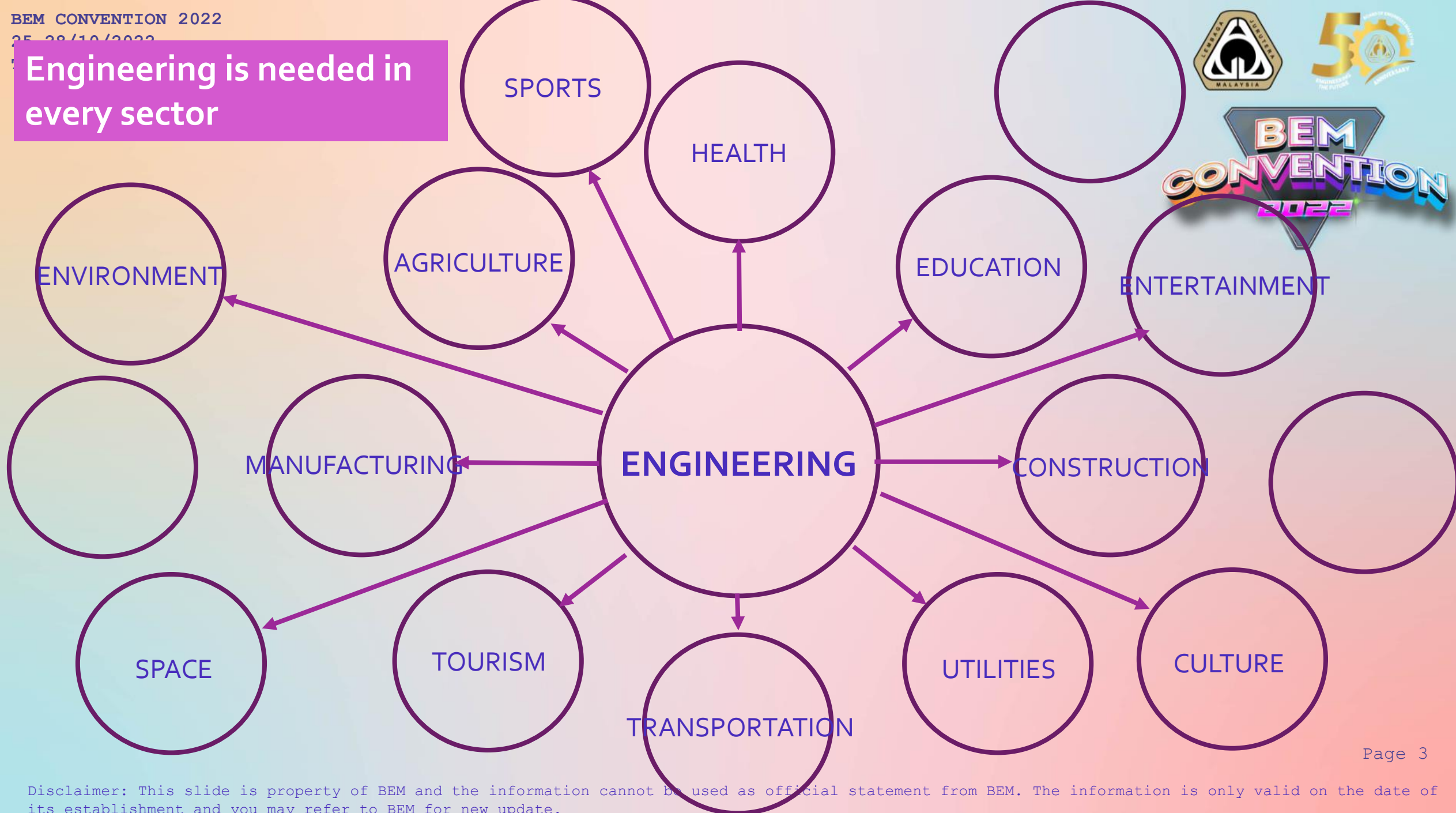
MBOT

&

Others
Architects, QS, GIS Specialists, Contractors, HR, Admin,
Lawyers, Accountants, Finance, Sociologists, Economists...

Others

Engineering is needed in every sector





Engineering is to realise

Needs and Wants and Desires...

Dreams, Visions, Ambitions...

of

The Nation, sectors,

industries, businesses

society, communities

leaders and individuals

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**Therefore, for as long as there are
Needs and Wants and Desires...
Dreams, Visions, Ambitions...**

Engineering is needed

And, as we progress,

those needs and ambitions gets higher;

And, with more complex problems and issues too..



The questions...

- Is the future of Engineering exciting for the professionals involved and the society?
- Is it exciting now?
- Was it exciting before?



Engineering is to realise

Needs and Wants and Desires...

Dreams, Visions, Ambitions...

of OTHERS!!

What about those of the professionals in Engineering?

What are our career ambitions?

Do we have policies and strategies towards higher levels of engineering?

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We need to make Engineering...

- Exciting
- Rewarding
- Provide challenges to leading edge technologies
- Attractive to future generation
- Attractive for investments and investors
- Recognised worldwide

We need to TRANSFORM engineering

Transformation

- Is not just a change
- But very rapid change, accelerated
- Change of form and even function
- A change of mindset
- “Awesome”; Exciting
- Better, Stronger

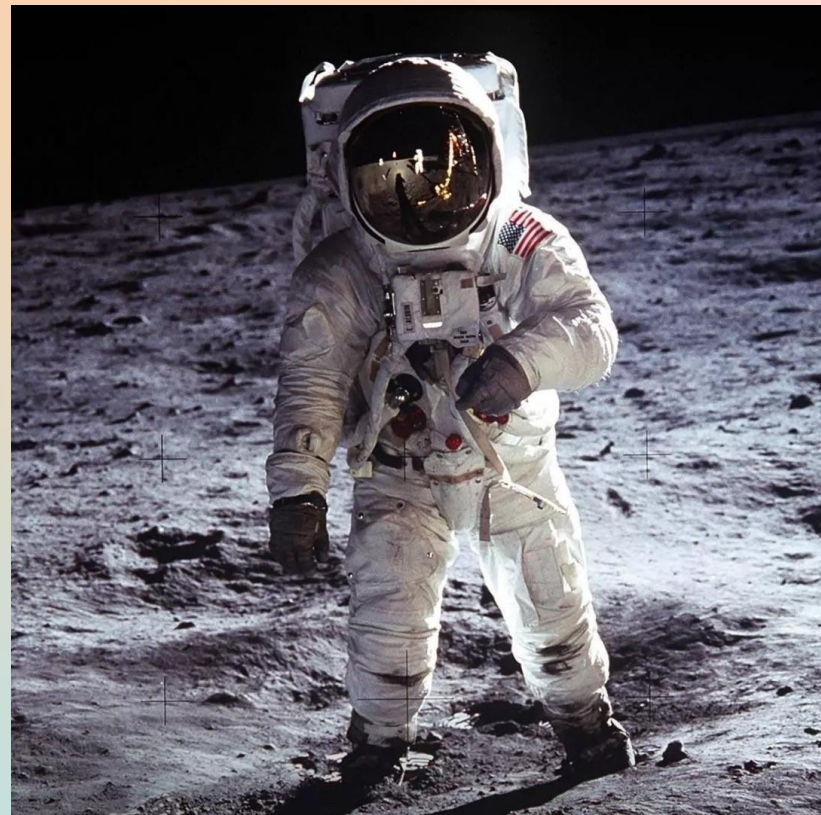


Roller Coaster

- Speed not really fast
- Exciting because of the Rate of Change of Speed - **Acceleration**



How to Excite & Inspire Transformation?



When President Kennedy declared that, by the end of the decade, the US shall land a man on the moon and bring him back safely to earth ...

- It inspired his country; its people and the World
- Involved the full spectrum of professions, people and industries
- Inspired innovations and RDIC

Is objective important?

- To send one man and bring him back
- One driver
- One Assistant

Sometimes more important is the process and outcome!

We choose to go to the Moon in this decade and do the other things, not because they are easy, but because they are hard...

JFK,

1962



What engineering needs...

Moon Shot

Projects that are challenging, involve the full spectrum of society, professions and businesses, inspiring the whole nation



THANK YOU



Committed to Engineering Excellence

BOARD OF ENGINEERS MALAYSIA

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