

# *Society for Underwater Technology*



Young Engineers & Scientists (YES)

“Further Development”

27<sup>th</sup> March 2014

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# Disclaimer

- The following are my personal observations and in no way supported or endorsed by my employer Woodside Energy Ltd
- This presentation also outlines what SUT Perth Branch are trying to achieve for recognition of Subsea Engineering as an area of practice by Engineers Australia (EA) and National Engineering Registration Board (NERB)

# *Dean of Engineering*

During Graduation the Dean addressed the graduating students with some words of wisdom;

- You now have a piece of paper that you think makes you an Engineer
- Nothing could be further from the truth
- You have a piece of paper which allows you to go out into the workforce and learn how to be an Engineer
- In 5 years you should be a useful Engineer
- In 10 years you should be a capable and competent Senior Engineer in your chosen field of practise



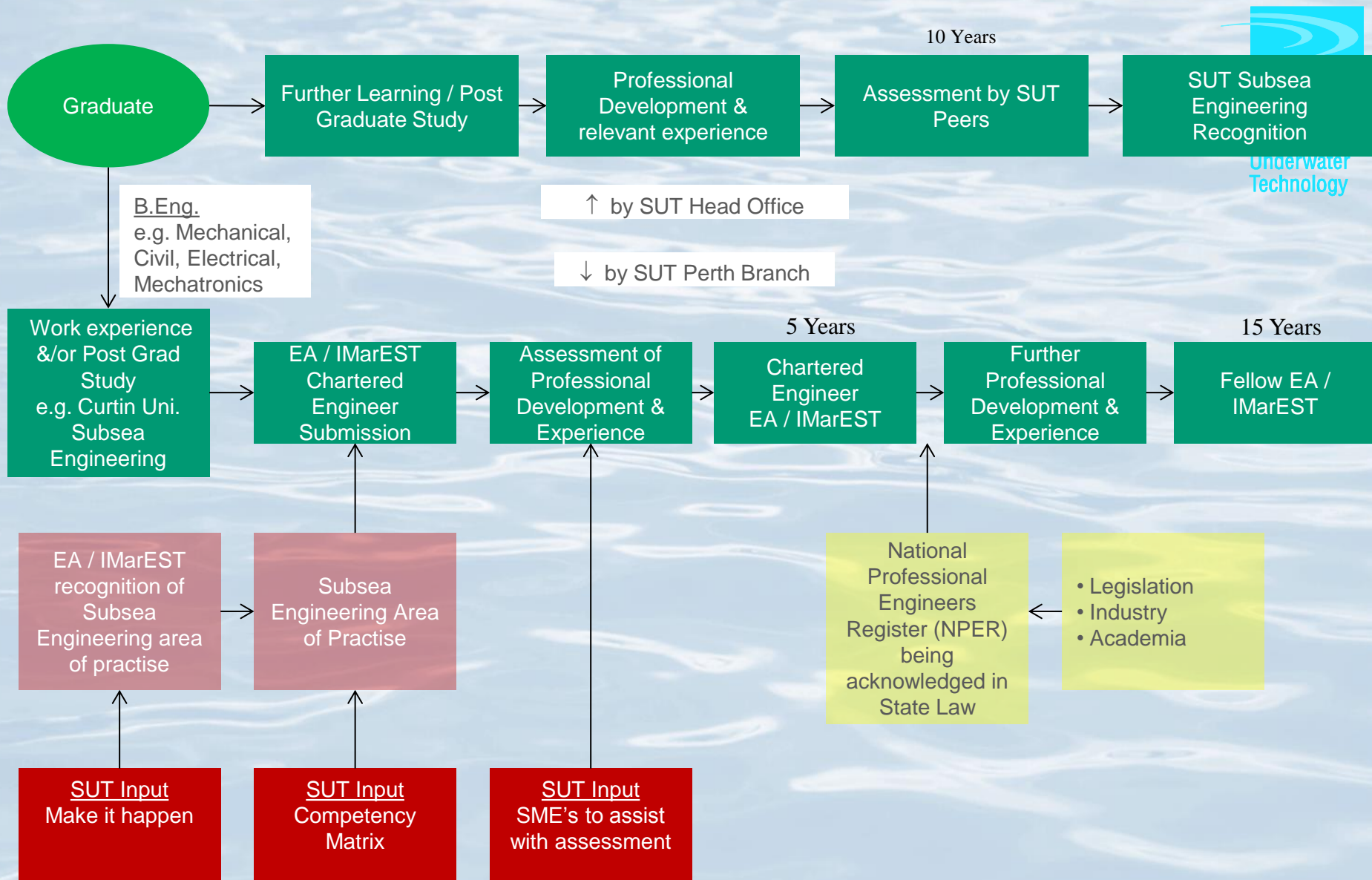
# *Timeline*

## **Graduation to Year 5**

- a great time, travel, experience different cultures, “get your hands dirty”
- Graduate development program – one employer able to provide numerous opportunities
- Build your own program – more than one employer
- Objectives - find what you love to do, decide your future career
- Actions – undertake Professional exam (e-Chartered) while you have the time and energy to devote
- Decide – is Engineering or Science really what you want to do for the rest of your life
- Decide – do you want to be an employee or an employer?
- Decide – do you want to be in Technology or Management?

## **Year 5 to Year 10**

- Be settled in what you want to do for the rest of your life.....



Underwater Technology

Australian Pipeline Industry Association (APIA) are in the process of establishing the Pipeline Engineering (Onshore and Offshore) Area of Practise in consultation with The Institution of Engineers Australia (EA)

Australian Scene (March 2014)

# EA & NPER

## **Engineers Australia**

- Provides three stage assessment process
- Stage 1, Graduate
- Stage 2, Chartered Engineer
- Stage 3, Executive Engineer/Management

## **National Professional Engineering Register**

- an EA initiative
- do not have to be C.P.Eng. with EA to apply for NPER, but will be assessed by EA for Stages 1 and 2 above
- not supported by Legislation (except Qld)
- COAG – States decided to adopt similar scheme to Qld
- In WA – Architects Act being revised in 2015
- In WA – Engineers Act to be written in 2016
- Will the offshore industry engage with NPER?
- I expect Regulator will drive engagement
- Implementation in the next 5 years



# Why should a graduate become C.P.Eng or C.Eng?

**WANT**

Personal satisfaction  
Peer recognition  
Remuneration

**NEED**

Legislation  
Employer  
Liability/Insurance

**WHEN**

within 5 to 7 years of graduation

Thank you



Any Questions?