



كمنترين قنديد يقئن
KEMENTERIAN PENDIDIKAN
MINISTRY OF EDUCATION

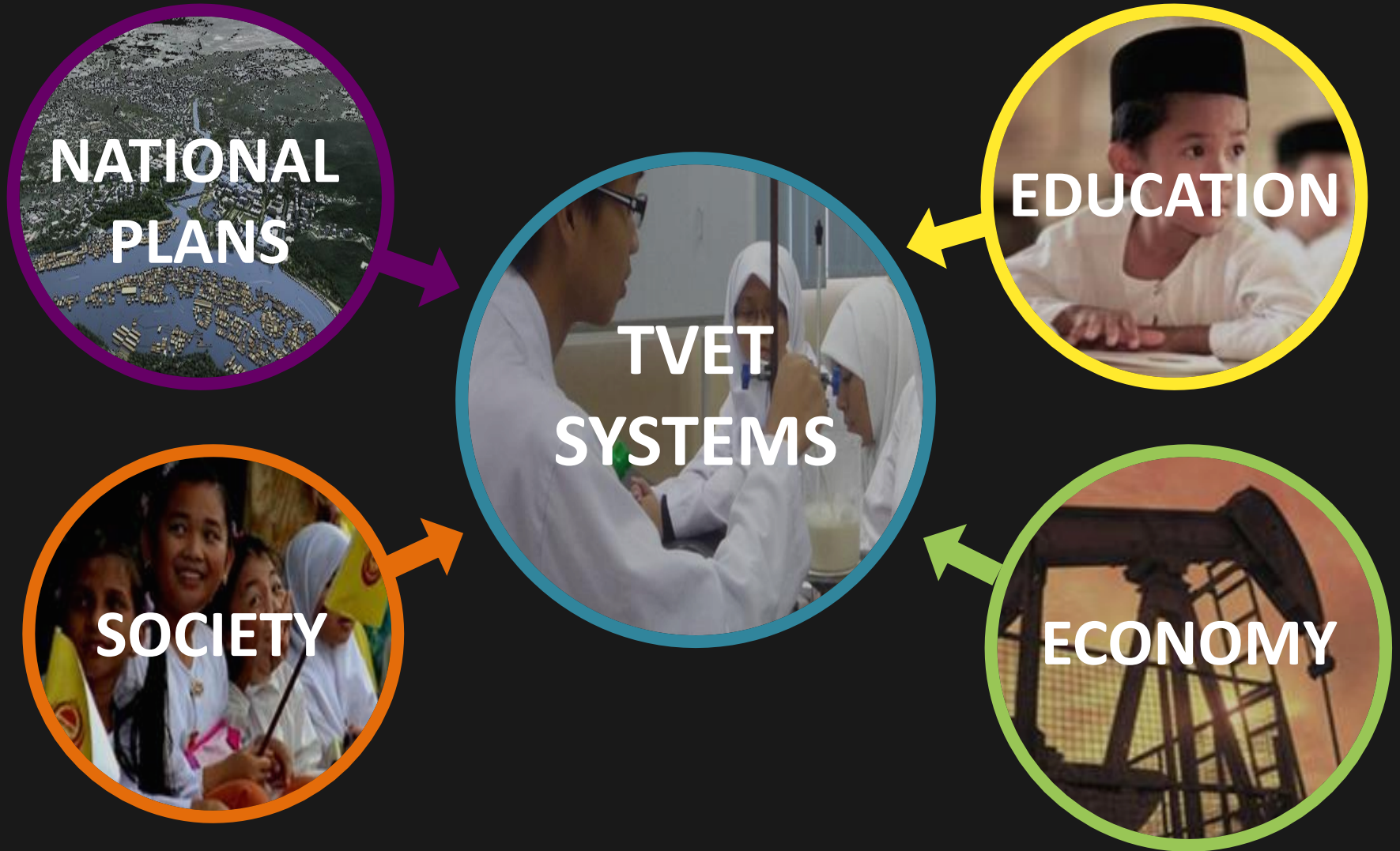
Transformation of Technical Education in Brunei Darussalam



Presentation Outline

- Dynamics & Challenges
- Existing TVET System
- The Two Key Documents
- Rationale for Change
- Proposed Changes
- Implementation Framework
- Case Studies
- The Possibilities
- Conclusion

Dynamics and Challenges





Existing TVET System

- Not immune to challenges
- Responding to national aspirations (SPN-21 and Wawasan 2035)
- Lack of focus on skills development and alignment with national manpower needs
- Department of Technical Education (DTE) system no longer relevant or responsive in a modern-day competitive economy
- Challenge is to build a first-class post-secondary technical education institution

The Two Key Documents



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The White Paper

- Rationale for a new system of technical education
-



Upgrading Plan for Technical Education

- Proposed changes in the transformation

Rationale For Change



- | DTE system established in 1993
- | World has since changed dramatically
- | A new system of governance required to stay relevant and responsive
- | Need for strategic alignment with education, economy and social aspirations
- | Key issue is addressing the needs of the less academic students in schools

Proposed Changes



To establish a new Brunei Technical Education (BTE)

Key changes:

- ❖ Course restructuring
- ❖ Expanding apprenticeship scheme
- ❖ Progression and Continuing Education & Training (CET) opportunities
- ❖ A new scheme of service
- ❖ Campus development
- ❖ Renaming DTE and vocational institutes

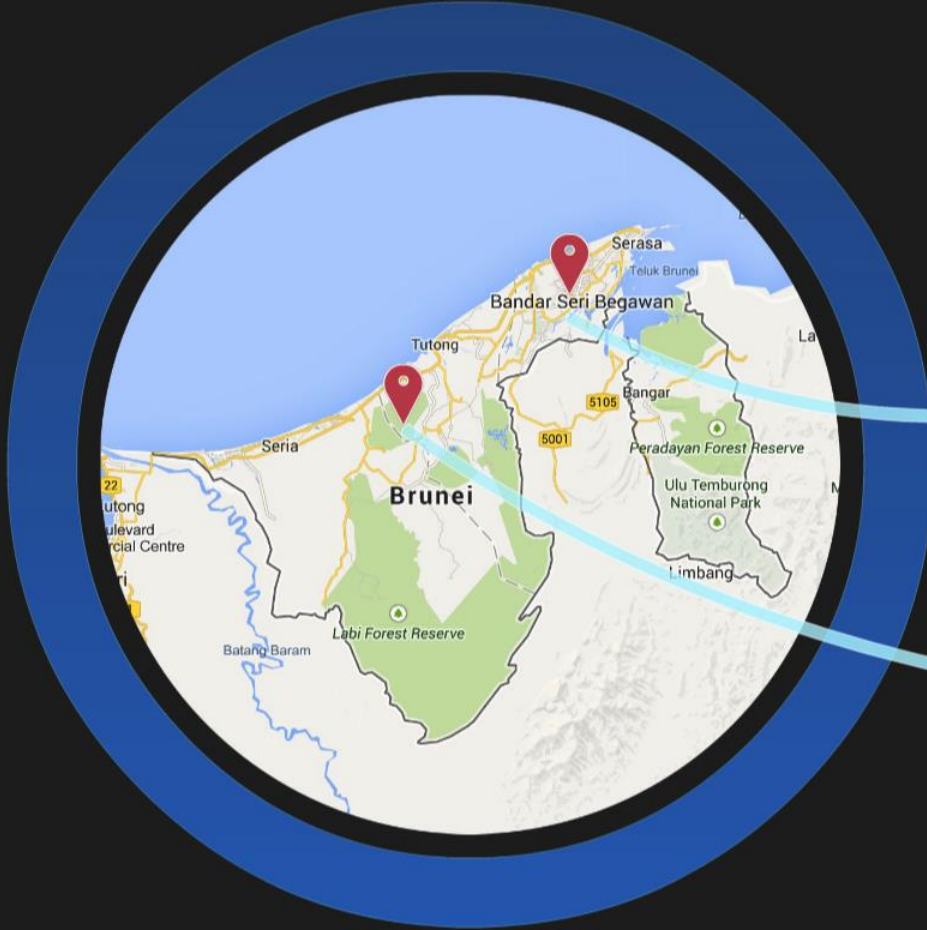


Implementation Framework

- 1) **The White Paper and Upgrading Plan** drafted April 2013
- 2) **Dialogue sessions** with stakeholders May/June 2013
- 3) BTE will be launched under **new constitution** and **Governing Board**
- 4) **Organizational transition** from existing DTE to BTE over next two years
- 5) **Upgrading of existing campuses** and **staff capability development** begin and continue in parallel
- 6) First Regional mega campus (BTE Central) ready in **2018** followed by the Second (BTE Satellite) in **2020 (8,000 students)**



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**PROPOSED
CENTRAL
CAMPUS**

**PROPOSED
SATELLITE
CAMPUS**



Learning Spaces





Student Hubs



Library & Resource Centre





Sports Facilities





A Case: Energy Industry Competency Framework (EICF)

Outcomes derived from EICF:

- The **collaborative** and **strong government commitment** (EDPMO & MOE)
- **Partnership with the industry** (EDPMO, MOE & Oil and Gas Industry)
- **Career Chart** defined for each program
- Programs offered since July 2013: 4 HNTEC, 4 ISQ programmes.

Energy Industry Competency Fair
"Grow our nation with your skills"

Dates: 6th - 7th July 2013 | Time: 9am - 5pm | Venue: Pusat Latihan Mekanik, Kg Tungku Gadong

• Plenty of exciting technical trainings to match your interest • Guaranteed jobs upon successful completion of the programme • Your chance to network with prospective employers • OPEN TO ALL who have completed at least Year 9

List of technical trainings

<input type="checkbox"/> Fitter	<input type="checkbox"/> Marine	<input type="checkbox"/> Electrical Engineering	<input type="checkbox"/> Industrial painter
<input type="checkbox"/> Scaffolder	<input type="checkbox"/> Instrumentation Control Engineering	<input type="checkbox"/> Plant Engineering	<input type="checkbox"/> Blaster
<input type="checkbox"/> Rigger	<input type="checkbox"/> Mechanical Engineering	<input type="checkbox"/> Draughtsman	<input type="checkbox"/> Crane Operator
<input type="checkbox"/> General Welder			

Organized by: ENERGY DEPARTMENT
PEMILK MINISTERS OFFICE

Ministry of Education: MINISTRY OF EDUCATION

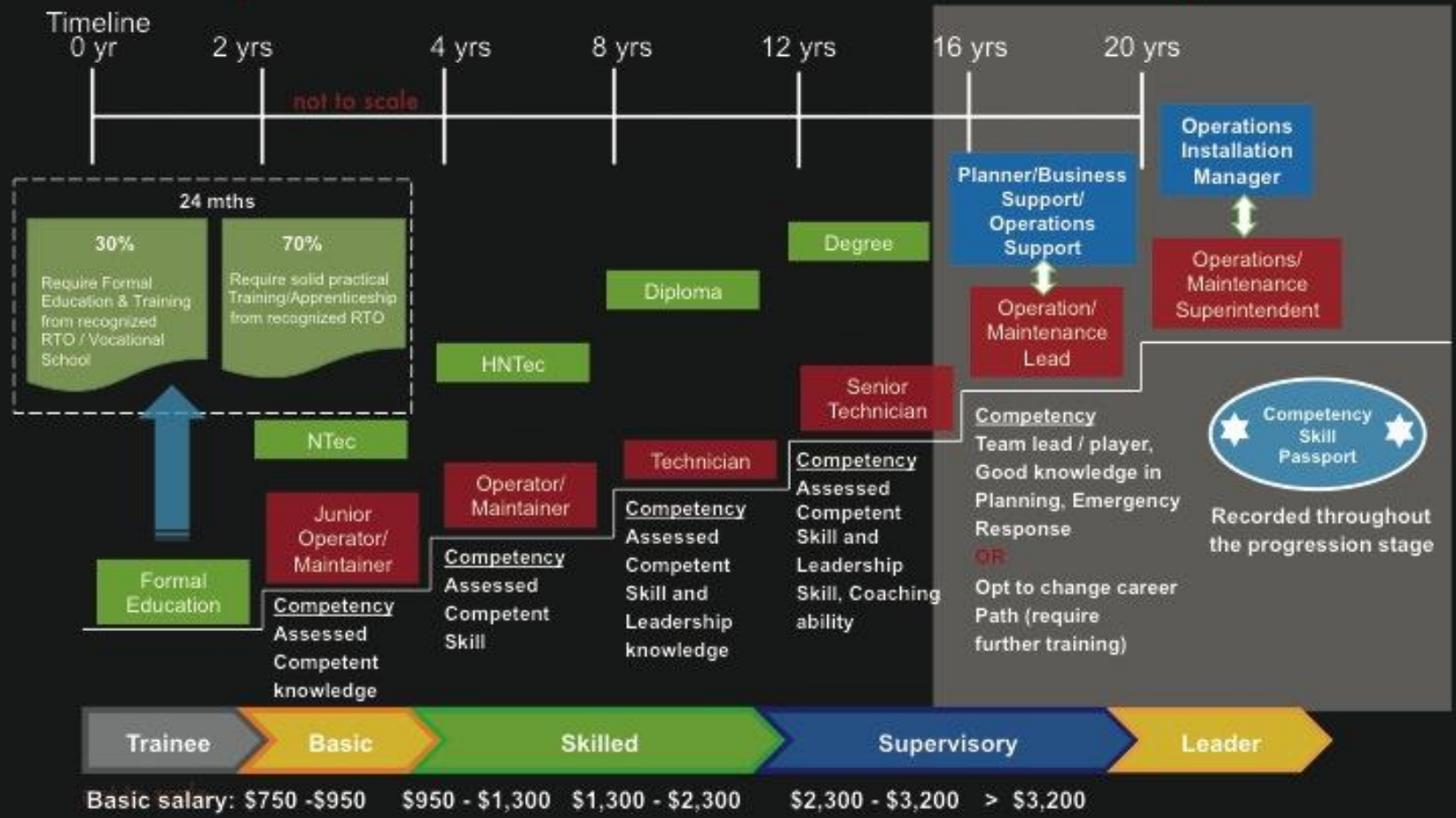
In collaboration with the Oil & Gas Industry: BRUNEI PINES
Brunei

Characteristics Of EICF Programmes

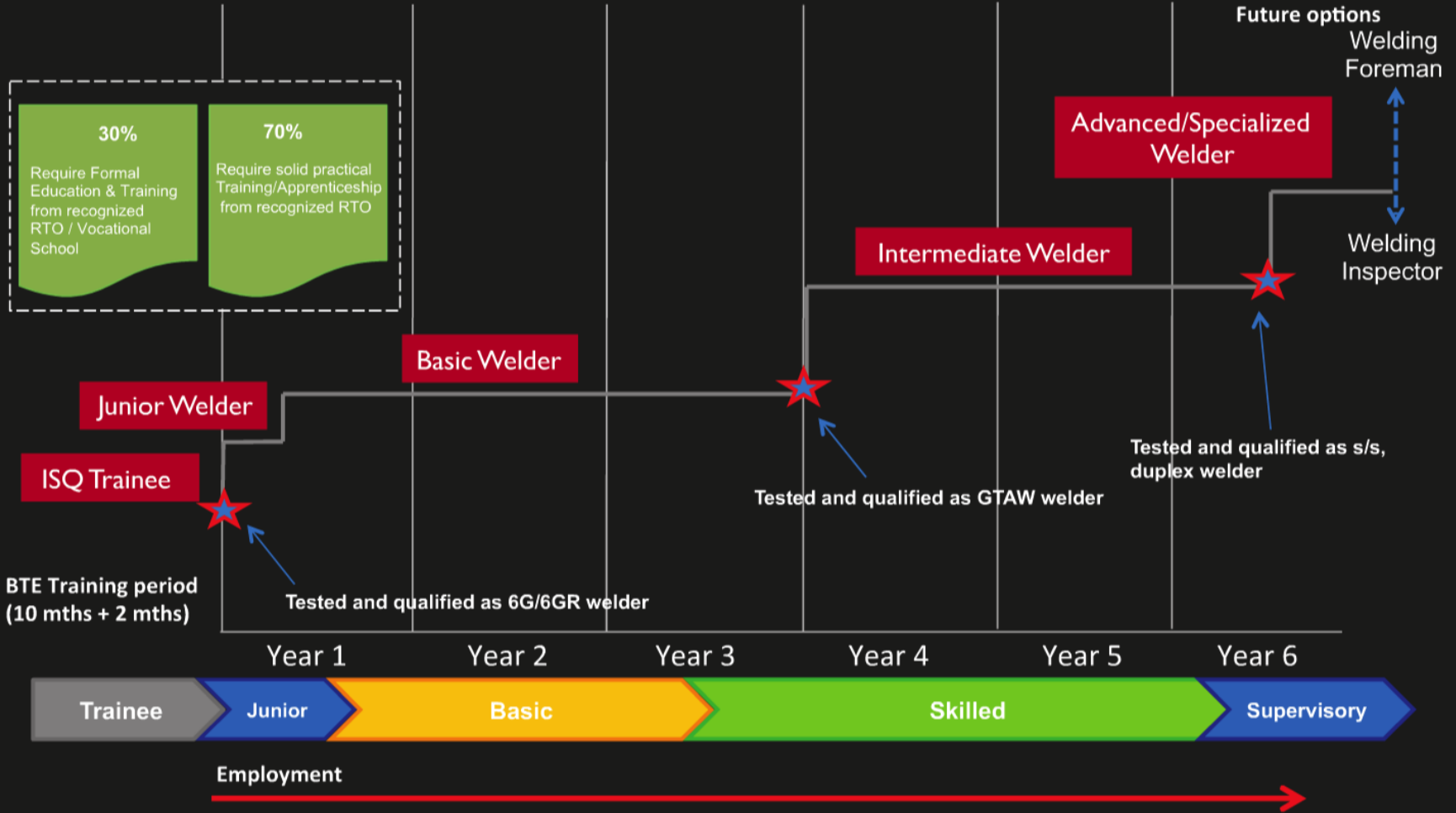


- | Selection of students (Industries and MoE)
- | Strong ownership and support from industries:
 - | Development of curriculum,
 - | Delivering (Subject Matter Expert) and
 - | Competency Based Assessment
- | 70% hands on, 30% theory
- | Dual certificate (Technical Institution & Industry)
- | Employability (100% for ISQ programmes)

EICF: CAREER LADDER FOR PLANT ENGINEERING – OPERATOR/ MAINTAINER & TECHNICIAN



EICF CAREER LADDER FOR GENERAL & CODED WELDER JOB PROGRESSION





A CASE: BRUNEI MARITIME ACADEMY (BMA)



**Diploma in
Marine Engineering**

**Diploma in
Nautical Studies**

**Apprenticeship
in Engine Rating**

**Bridging
Programme
COP for
Steward**

**Apprenticeship
in Deck Rating**

**Bridging
Programme
COP for Cook**

**Bridging
Programme
for Officers of
Engineering
Watch (OEW)**



The Possibilities...

Looking ahead, the outcomes:

- | A whole new world of **technical education** for **future generations**.
- | Long-term **benefits** for the **individual, economy, society and nation**.



CONCLUSION

“The question today is no longer about the importance of Technical Education in social and economic development. It is about building quality and sustainability in an educational sector that is often overlooked in society.

What we need is the will and support from all stakeholders - political leaders, industries, management & staff , parents, teachers and the community.”



THANK YOU

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