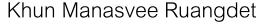
Skills, Competency, and Attitude of Engineers Preferred by Industry



Senior Vice President Engineering and Construction Division, PTTEP and a member of TABEE IAB





AGENDA



Energy New Normal



What we need from engineers in 21st century

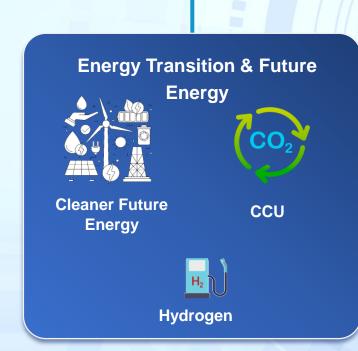


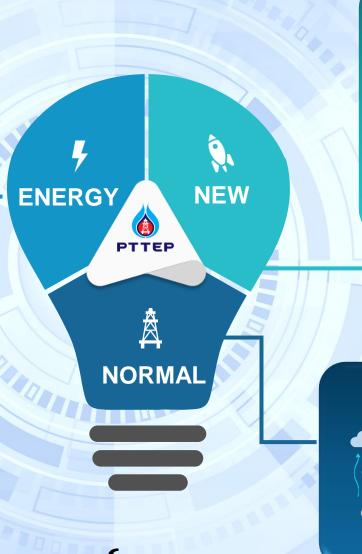
Key Take Away

Energy New Normal













What we need from engineers in 21st century



Technical Skill / Knowledge

- Apply academic knowledge to industrial problems solving
- Understand industry design code and standard and able to apply with industry requirement
- Holistic Technical knowledge
- Business Acumen & Economics
- Business Data Analytics, Data Science
- Keep abreast of Technology



Soft Skill

- Communication & Negotiation
- Analytical and Innovative Thinking
- Responsibility and ethics
- Decisiveness
- Open for Feedback
- Diversity
- Teamwork

Elements of Recruitment

1. Job Fit



2. Potential Fit

The Leadership Competencies



3. Corporate Culture Fit

























Accelerated Development Program Framework





Induction

- * Orientation
- * Culture
- * Generic courses for new staff

Foundation

Interdisciplinary Program with assignments / quiz

Work Assignment

Staff Rotation / Assignment

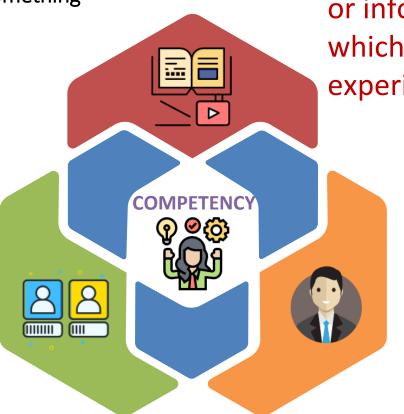
Continuous monitoring & feedback and regular assessment

Competency Management System



ABILITY

the power or skill need ed to do something, or the fact that someone is able to do something:



KNOWLEDGE

understanding of, or information about something, which a person gets by experience or study

BUSINESS SKILL

an ability and capacity in order to carry out complex activities smoothly and adaptively

Competency Development Cycle

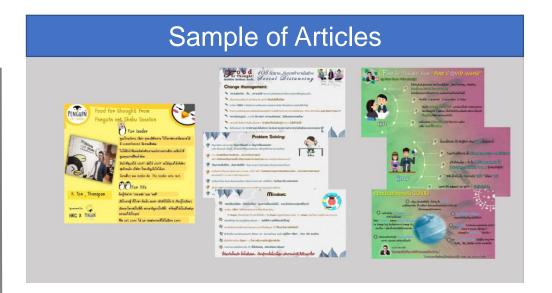


Learning Methodology in the New Normal











Business Industries should cooperate with academic sectors to support 21st century learning program to

- Accelerate Learning Program related to business requirements in terms of both technical & soft skills.
- Provide real industry practical problems for case study design courses.
- Apply industrial practices into the Engineering course content.