

Building the Next Generation of Talent for Thailand's Nuclear Safety and Security

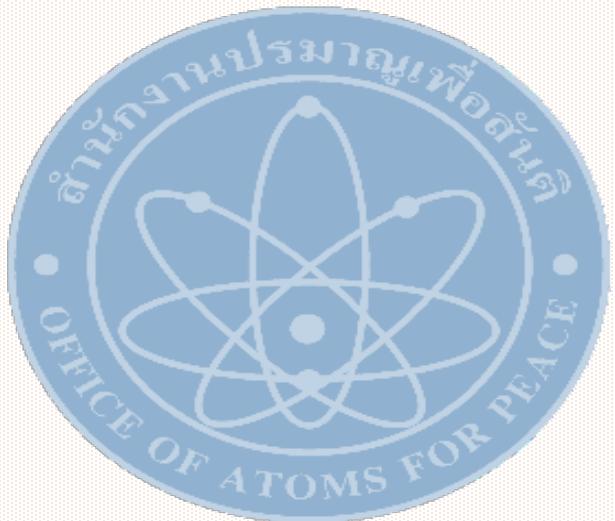
36th Annual Regulatory Information Conference

Soratos Tantideeravit

The Nuclear Industry

OAP & NEPC

- Regulator
- Dosimetry, Envi. Monitoring
- Non-proliferations



MOUs

Universities & Labs

- Science & Engineering
- Medical Physics & Radiological Technology



Ministry of Higher Education,
Science, Research and Innovation



สถาบันเทคโนโลยีนิวเคลียร์แห่งชาติ
(องค์การมหาชน)

TINT

- Researches & Services
- Reactor Operator
- Waste Management



Operators

- RR: TINT, SUT(BNCT)
- Electrical Generation Authority of Thailand
- PTT Public Company
- Industrial and Medical Licensees

Attracts Talents: Perception

- * A data study of “social media comments on NPP” shows:
 - Neutral sentiments (80%),
 - Negative sentiments (14%) showed support for other alternative energies due to nuclear accident concerns
 - Positive sentiments (6%) expressed support for innovative nuclear technologies.

Opportunities to convince people to receive a better nuclear perception.

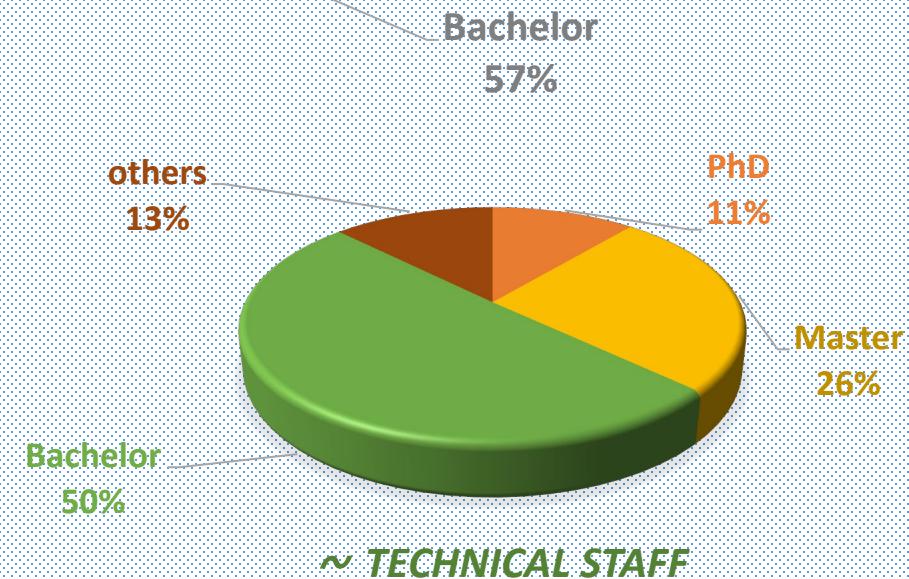
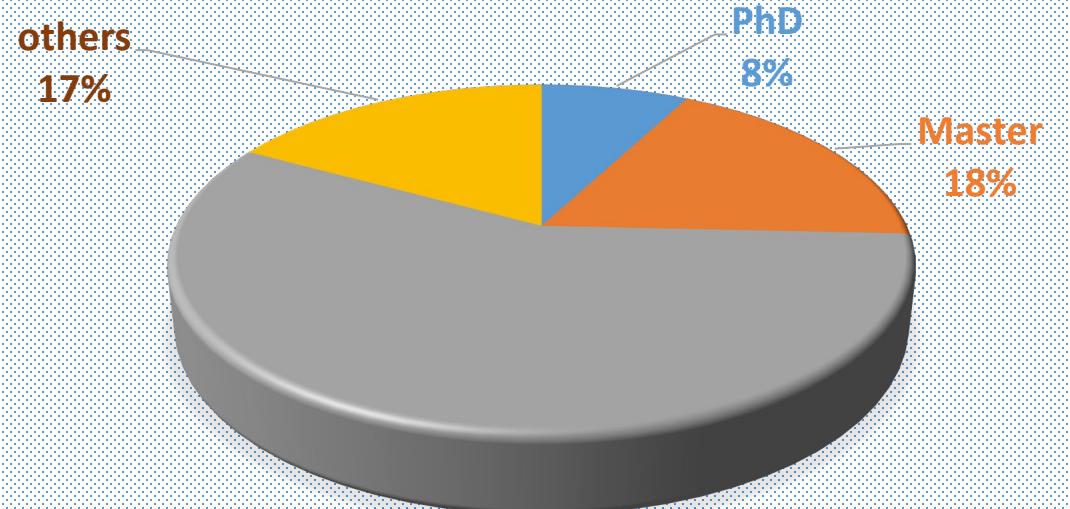
The Overview

- Government Officials (OAP)

- Secure job / Medicare / Pension
- Rigorous recruitment process
- Good career path: technical/management
- Approx. 50% are technical staff

- Challenges

- Freeze period of NPP project since 2012
 - Job rotation, re-organization
 - Small nuclear industry, limited resources
 - Jack of all trades, master of none



Attracts Talents: The Pool

- Graduates
 - Chulalongkorn Universities (M.Eng & PhD in Nuclear)
 - Radiological technologies and medical science
 - Other degrees...
- Support program
 - Scholarships: Master - PhD
 - Internships and research projects for college students



Knowledge Management

- Training
 - On the job training
 - Brother - Brother / Sister - Sister Teaching
 - KM working group
- MOUs with universities/institutes
 - Pool of experts & trainers
 - Develop guides, manuals and training materials
- Publish
 - Requires technical reports/journal as part of the job promotion process
 - Atoms for Peace Journal



Communication

- Outreach
 - Colleges
 - High schools



- Welcome Visitors
 - Students
 - Academics
 - Institutes

Use of Social
Media platform

Inspire Future Generations

- Jobs in nuclear safety and security



- TOKAMAK - 1
- BNCT Project



- Nuclear Society
 - SMR Seminars
 - International Nuclear Science Olympiad (INSO)

International Cooperation

Personnel of nuclear organizations to participate in training and collaborative projects under multilateral and bilateral cooperations

- **Safety**

- US.NRC
- EU - INSC
- JAEA

- **Security**

- US.DOE
- GAC & WINS

- **Regional**

- ANSN
- ASEANTOM
- FNCA



WORLD INSTITUTE FOR
NUCLEAR SECURITY



Pacific Northwest
NATIONAL LABORATORY



Sandia
National
Laboratories



Takeaways

- Be more Strategic and Efficient in HRD
- Clear description of regulatory jobs
 - Specific job description & skill sets
 - Successor plan
- Now is still a good opportunity to attract more talents
- Use of International Practices and Cooperations

Thank You!!!

