

PTTEP Innovations in Corrosion Management

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The talk will cover the theme of PTTEP innovations in corrosion management in the following areas:

1. Corrosion Management to Thailand 4.0
2. Collaborative environments in R&D, applications and knowledge transfer
3. Digital transformation based on big data analytics and AI
 - a. TOLC (Top of Line Corrosion) prediction using ANN (Artificial Neural Network)
4. Innovations: Value added, new technologies through R&D
 - a. VCI (Volatile Corrosion Inhibitor) to prevent TOLC without conventional batch pigging
 - b. Pipeline Cold-end Study to reduce material corrosion allowance