

Pipeline Research Council International

LEADING PIPELINE RESEARCH

# **Knowledge Transfer (KT)**



# **Knowledge Transfer Advisory Committee**



- 1. Avi Razavi, SoCal (TC)
- 2. Brent Byrd, Shell (EA)
- 3. Bryce Brown, ROSEN (EA)
- 4. Byron Ables, Enterprise (TC)
- 5. Chris Nowak, Kinder M. (TC&RSC)
- 6. Eric Taylor, BHEG T&S (EA)
- 7. Jason Smith, ONEOK (EA)
- 8. Pierre Blouet, GRTGaz (EA)
- 9. Satish Kulkarni, Chevron (TC&RSC)

### **Knowledge Transfer**

+70 years of Research **Assets Training Program** (PRCI Academy) **Implementation Tools** (Prof. PeRCI etc) **Deep understanding** Knowledge of Operator Need **Communication and Operationalizing Transfer** Pathways (RVS, OF) **Network of** International **Experts** \* Research Assets (e.g., reports, webinars, data bases, training courses)



# **Objectives of Knowledge Transfer**

Tools to Operationalize R&D

2 Convey Benefit of R&D

**3** Map Research to Operations

**PRCI Academy** 

Training Program

PROF. PeRCI

Al Driven Research Assistant

**RESEARCH VALUE SUMMARY (RVS)** 

Value Story for Senior Leadership

**OPERATIONAL FRAMEWORK (OF)** 

Integrated structure for operational areas



# **PRCI Academy - Vision**

- Moving expertise and R&D into a comprehensive learning program with focus on application
- Systematic efficient training with collective expertise
- Continuous updating efficiently centralized
- Attract, retain and develop technical expertise





#### **2024 & 2025 PRCI Courses**

#### **PIPELINE REPAIR**

- Fundamentals of Pipeline Repair On-line, On-Demand
- Practical Pipeline Repair In-Person at TDC or In-house at your facility

#### **GEOHAZARD COURSES**

- Fundamentals of Engineering, Design and Construction On-line, On-Demand
- Fundamentals of Maintenance of Geotechnical Threats On-line, On-Demand
- Fundamentals of Maintenance of Hydrotechnical Threats On-line, On-Demand
- Practical Geohazard Course In-Person at TDC/In-house

#### **NDE TRAINING**

NDE Training for Long Seam In-Person at TDC





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# TRAINING PRCI Academy

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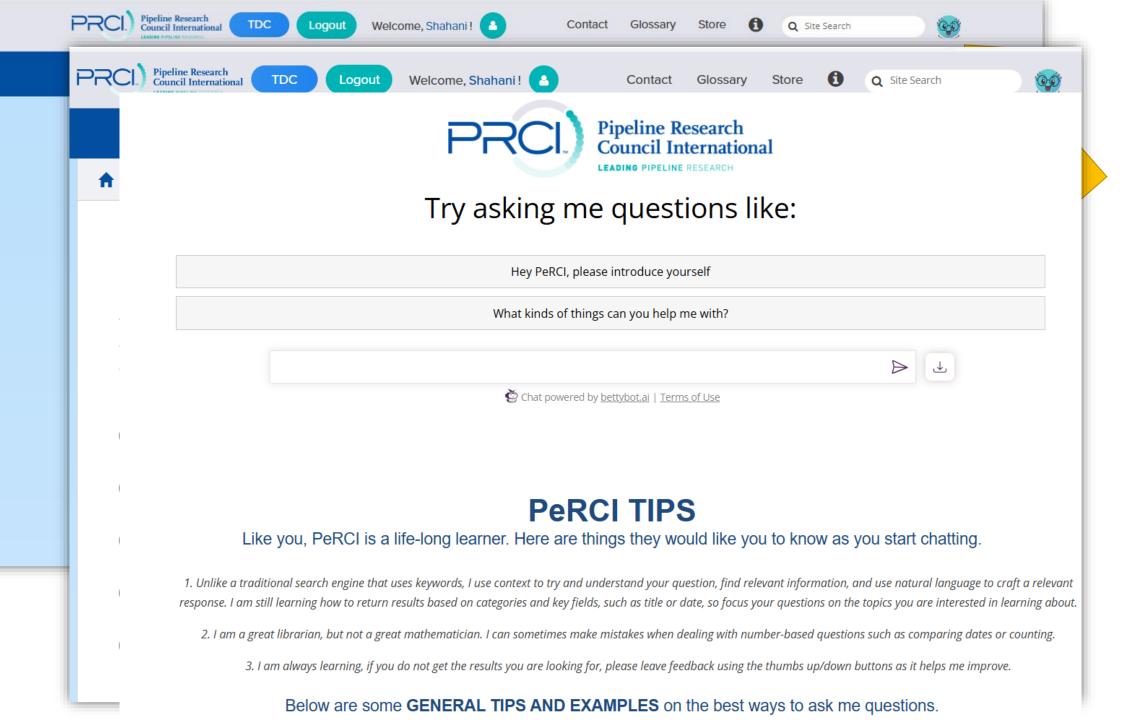


#### **Professor PeRCI**



Positioning PRCI to thrive in an Al enabled future...





# Research Value Summaries (RVS)

RVS - Summary of Problem, Solution, Value & applicability for each R&D Project Why? Convey Business Relevance & Value

- 5 detailed RVS's completed
- Trained Prof.PeRCI on above, Final Reports, and Idea Forms
- Moving forward:
  - Prof. PeRCI generates draft RVS
  - Staff work with TC Leaders to review and improve
  - Collate in Annual Report





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#### **TRAINING**

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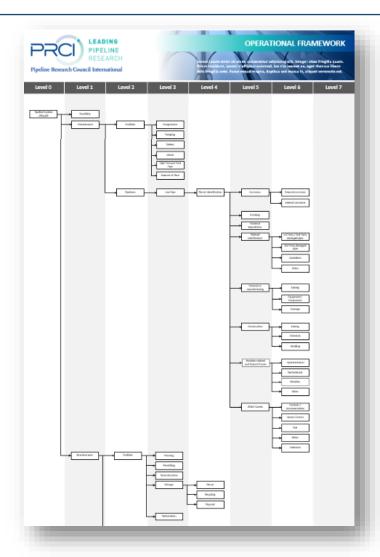
Integrated structure for operational areas



# Orientation to the Operational Framework (OF)



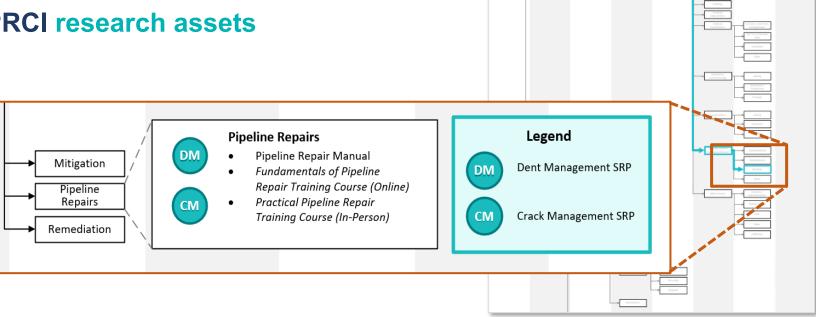
- Visual framework to collate research assets\* & serve operations
- Clarity in how they interrelate
- Help identify future opportunities



<sup>\*</sup> Research Assets (e.g., reports, webinars, databases, training courses)

# Use of the OF: On-the-Job Problem-Solving Pathways

- Navigating research assets
- Illustrative sample for pipeline repair:
  - Following the branching:
    - Maintenance → Pipeline → Line Pipe → Pipeline Repairs
  - Identify useful PRCI research assets







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