



Innovarpel 2025

SECOND EDITION

TECHNICAL DAYS

DIGITAL TRANSFORMATION & INDUSTRIAL CYBERSECURITY IN THE OIL&GAS INDUSTRY

AGENDA

JUNE, 24 & 25
2025

Hilton Copacabana Hotel.
Rio de Janeiro, Brazil

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60TH ANNIVERSARY
CELEBRATION



ASSOCIATION OF OIL, GAS
AND RENEWABLE ENERGY
COMPANIES OF LATIN AMERICA
AND THE CARIBBEAN

Day 1

June 24

7:30 - 9:00 am **Registration / BREAKFAST (SPONSORSHIP)**

9:00 - 9:30 am **Opening**

BLOCK 1

Digital Transformation and Operational Efficiency

This module will explore how digitalization is revolutionizing operations in the oil and gas industry. Technologies such as IoT, big data and predictive analytics, automation and robotics will be discussed.

9:30 - 10:00 am

KEYNOTE 1

Challenges and Opportunities of the Digital Transformation in the Oil&Gas Industry

Tatiana Escovedo, General Manager of Digital Transformation | **Petrobras**

10:00 - 10:15 am **SMER - Use of Industrial Home Automation for Monitoring Communications in Gas Pipelines**
TGN

10:15 - 10:30 am **How to increase asset reliability and operational performance by leveraging machine learning**
YPF

10:30 - 10:45 am **Optimizing Equipment Inspection Strategies using integrity-related Big Data**
Becht

10:45 - 11:00 am **SAP-FUELFACS: The challenge of integration**
Petropar

11:00 - 11:15 **Q&A session**

11:15 - 11:45 am **COFFEE BREAK (SPONSORSHIP)**

11:45 - 12:00 am **Consumption Forecasting in Natural Gas Transportation Operations Using Machine Learning (ML) Techniques such as XGBoost**
TAG

12:00 - 12:15 pm **Optimax: real-time decision-making tool for refineries**
YPF

12:15 - 12:30 pm **Remote Operation and Supervision of Assets**
Pan American Energy

12:30 - 12:45 pm **Case TBA**

12:45 - 1:00 pm **Q&A session**

1:00 - 2:15 pm **LUNCH (SPONSORSHIP)**

2:15 - 3:00 pm PANEL 1
New frontiers - Industry 4.0 and its impact on the energy sector
Melissa Fernandez | IBP
Bruno Ruyu | Teramot
Rachael Moreland | S&P Global

BLOCK 2

Industrial Cybersecurity in the Digital Era

Given the increasing digitalization, this module will focus on cybersecurity challenges and solutions within the oil and gas industry.

3:00 - 3:30 pm

KEYNOTE 2

The evolution of cybersecurity in O&G: from Industrial Control Systems (ICS) to Cyber-Physical Systems (CPS)

Marcelo Branquinho, CEO and Founder | TISafe

3:30 - 4:00 pm **COFFEE BREAK (SPONSORSHIP)**

4:00 - 4:15 pm **Cybersecurity as an Essential Component of a Comprehensive Maintenance Program**
Honeywell / EP Petroecuador

4:15 - 4:30 pm **Digital Blindness: The First Enemy in Cybersecurity**
Petropar

4:30 - 4:45 pm **Implementing a cybersecurity program in industrial environments: The strategy to address common challenges and achieve better results**
Petrobras

4:45 - 5:00 pm **Anatomy of a Cyberattack**
RECOPE

5:00 - 5:15 pm **Q&A session**

5:15 - 6:00 pm PANEL 2
Organizational Culture and Cybersecurity Awareness
Max Kon | WISEPLANT
Eduardo Mascaro | TGN
Pedro Vieira | Petrobras
Moderator: Marcelo Branquinho | TISafe

6:00 pm **INNOVARPEL - END OF DAY 1**

6:30 - 7:30 pm Kick-off Meeting of Arpel's Digital Transformation Committee
(reserved for Committee delegates)

Day 2

June 25

8:00 - 9:00 am **BREAKFAST (SPONSORSHIP)**

BLOCK 3

Sustainability, Energy Transitions, and Decarbonization

This module will discuss how disruptive technologies can facilitate a transition towards more sustainable practices in the oil and gas industry, in particular technologies applicable to the detection, measurement and management of greenhouse gas emissions and leaks.

9:00 - 9:30 am

KEYNOTE 3

Digitalization of the oil and gas industry: Driving sustainability for a low-carbon energy

Carolyn Seto, Executive Director of Energy Technology and Innovation | **S&P Global**

9:30 - 9:45 am **Artificial Intelligence Applied to Energy Efficiency in the Oil Sector**
EP Petroecuador

9:45 - 10:00 am **Geopark's Path to Decarbonization**
GeoPark

10:00 - 10:15 am **Data Fusion – Integrity Assessments of Metal Loss Using MFL-A and MFL-C Data Fusion Based on Three-Dimensional Corrosion Profiles**
Rosen

10:15 - 10:30 am **Use of digital tools in pipeline leak detection using TVA**
YPF

10:30 - 10:45 am **Q&A session**

10:45 - 11:15 am **COFFEE BREAK (SPONSORSHIP)**

BLOCK 4

Artificial Intelligence and Automation in Decision-Making

This module will focus on how Artificial Intelligence (AI) and automation are improving real-time decision making, optimizing processes and reducing risks.

11:15 - 12:00 pm **PANEL 4**
Preparing the Workforce: Skills Needed for an AI-Powered Future
Karen Cubas | IBP
Kishore Krishnankutty Nair | Honeywell
Dorlysu Moreno | YPF
Eduardo Soria | Rosen

12:00 - 12:15 pm **Case Study on the Role of Generative Artificial Intelligence in Process Safety Decision-Making**
TEMA

12:15 - 12:30 pm **Use Case of a Customized Chatbot Based on Documentation and Applications in Refineries,**
YPF

12:30 - 12:45 pm **Operationalization of Gas Transportation in Brazil's New Gas Market**
TAG

12:45 - 1:00 pm **Q&A session**

1:00 - 2:15 pm	LUNCH (SPONSORSHIP)
2:15 - 2:30 pm	GeoAI: Artificial Intelligence Applied to Geological Assessment GeoPark
2:30 - 2:45 pm	Real Time Intelligence Center (RTIC): operations center for real-time decision-making YPF
2:45 - 3:00 pm	Sigeo: 30 years supporting and transforming the work of the geoscientist Petrobras
3:00 - 3:15 pm	Driving Production Efficiency at Scale: Data-driven Virtual Flowmeters and Condition-Based Testing in Action Alamo Analytics
3:15 - 3:30 pm	Use cases of generative AI in E&P SLB
3:30 - 3:45 pm	Q&A session
3:45 - 4:15 pm	COFFEE BREAK (SPONSORSHIP)
BLOCK 5 Culture, Innovation, and Agility: The Path to the Digital Enterprise This module will focus on how digitalization is applied to support services of an organization, how methodologies from the IT sector can be used in our industry	
4:15 - 4:30 pm	Internal Audit Transformation Journey Petrobras
4:30 - 4:45 pm	Hackathon turn-arounds: Innovation Applied to Efficiency YPF
4:45 - 5:00 pm	Agile Transformation at Petrobras: from IT to Corporate Expansion Petrobras
5:00 - 5:15 pm	Q&A session
5:15 - 5:45 pm	KEYNOTE 4
	Using open innovation and digital transformation to shape the future of the energy industry Raphael Moura ANP
5:45 - 6:00 pm	INNOVARPEL CLOSURE
6:00 pm	60TH ANNIVERSARY CELEBRATION
6:00 - 6:05 pm	Institutional commemorative video for Arpel's 60th anniversary
6:05 - 7:00 pm	PANEL CELEBRATING ARPEL'S 60TH ANNIVERSARY TBA Petrobras TBA IBP Pedro Miras WPC Carlos Gonzalez IPIECA Jennifer Miskimins SPE Cecilia San Román ANCAP Moderator: Martín Terrado GeoPark and Chairman of Arpel Board of Directors
7:00 - 9:00 pm	COCKTAIL RECEPTION AND TOAST

