

Innovarpel 2023



Digital Transformation and Cybersecurity in the Oil & Gas Industry

Colón Hotel | Quito, Ecuador

November 21 and 22, 2023

ORGANIZED BY



EVENT PLANNER



AGENDA



HOST



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Day 1

Tuesday, November 21

7:30 - 8:30 am **Registration and breakfast**

8:30 - 9:00 am **Opening**

9:00 - 10:00 am **Keynote speaker**
Challenge as a Transformation Vector
Iván Vallejo | Ecuadorian hiker

10:00 - 10:45 am **Panel**
Digital Transformation and Data Management
María Isabel Pariani | ReMasa
Cristian Ochoa | EP Petroecuador
Estanislao Irigoyen | Inteligencia
Gabriela Belén | SLB
Moderator: María Luz Resnizky | Honeywell

10:45 - 11:15 am **Coffee Break**

TECHNICAL MODULE I - USE CASES

11:15 - 11:35 am **Maintenance based on Critical Equipment Status**
PAE

11:35 - 11:55 am **Preventive Maintenance based on AI/Machine Learning**
OCP Ecuador

11:55 am - 12:15 pm **PyMO Project**
YPF

12:15 - 12:35 pm **Integrated Asset Monitoring for Production Optimization BL56 Shushufindi**
EP PETROECUADOR

12:35 am - 1:00 pm **Questions and Answers**

1:00 - 2:00 pm **Lunch**

INDUSTRIAL CYBERSECURITY

2:00 - 2:45 pm **Keynote speaker**
Generating Industrial Cyber-Resilience
Julio Ardita | Expert Cybersecurity Consultant

2:45 - 3:30 pm **Panel**
Industrial Cybersecurity
Max Kon | Wiseplant
Mary Vargas | CCI de España en Ecuador
Richard Garcia | Geo-Park
Ronald Rodriguez | OCP Ecuador
Moderator: Gerardo Gonzalez | Independent consultor

3:30 - 4:00 pm **ARPEL's Manual on Industrial Cybersecurity Maturity Benchmarking**
Gerardo González

4:00 : 4:30 pm **Coffee Break**

TECHNICAL MODULE II - INDUSTRIAL CYBERSECURITY

4:30 - 4:50 pm **A canary in the mine of Operational Technology (OT) – Industrial Honeypot**
TGN

4:50 - 5:10 pm **OT Network Monitoring with a Focus on Refineries**
ENAP

5:10 - 5:30 pm To be confirmed

5:30 - 6:00 pm **Questions and Answers**

Closing of Day 1

6:15 - 7:00 pm **Cocktail**

Day 2 Wednesday, November 22

8:00 - 8:30 am **Breakfast**

SUSTAINABILITY AND THE ENERGY TRANSITION

8:30 - 09:00 am **Keynote speaker**
The Sustainable Energy Ecosystem of the Future
Javier López Vargas | SLB

TECHNICAL MODULE III - USE CASES

9:00 - 9:20 am **Digital Emission Management Solutions**
Honeywell

9:20 - 9:40 am **Sinergia entre modelos de planeación y gemelos digitales, para la optimización del margen de las refinerías.**
IST Internacional

10:00 - 10:20 am **€KON\$ Project - Refining Mark-Up Improvement in Real Time**
Ecopetrol

10:20 - 10:40 am **Collaborative Environment for Control Room Management Apps**
Tory-Tech

10:40 - 11:15 am **Questions and Answers**

11:15 - 11:45 am **Coffee Break**

11:45 - 12:30 pm Panel
Digital Transformation Challenges
Erika Moya | EP Petroecuador
Fernando San Martín | Honeywell
Diego Ángulo | OCP Ecuador
Alexander Fonseca Moya | RECOPE
Moderator: Albert Tacias Francí | TEMA-Litoclean

12:30 - 1:30 pm Lunch

TECHNICAL MODULE IV - USE CASES

1:30 - 1:50 pm **Augmented Intelligence through Machine Learning**
YPF

1:50 - 2:10 pm **Predicted Power Demand in Oil Production using Artificial Neural Networks**
EP Petroecuador

2:10 - 2:30 pm To be confirmed

2:30 - 2:50 pm To be confirmed

2:50 - 3:30 pm **Questions and Answers**

3:30 - 4:00 pm Coffee Break

TECHNICAL MODULE V - USE CASES

4:00 - 4:20 pm **Digital Security Management in Road Transport**
TEMA - Litoclean

4:20 - 4:40 pm **Reaching where nothing exists and nothing arrives - IIOT/LoRaWAN infrastructure in gas pipelines**
TGN

4:40 - 5:00 pm **Hyperconnectivity – Wireless IT/OT Network**
Raízen

5:00 - 5:30 pm **Questions and Answers**

5:30 - 6:00 pm Keynote speaker
Technological trends and their impact on the Oil & Gas industry
Rafael Espinoza | Partner, McKinsey & Company

Event Closing

For further information, contact:

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