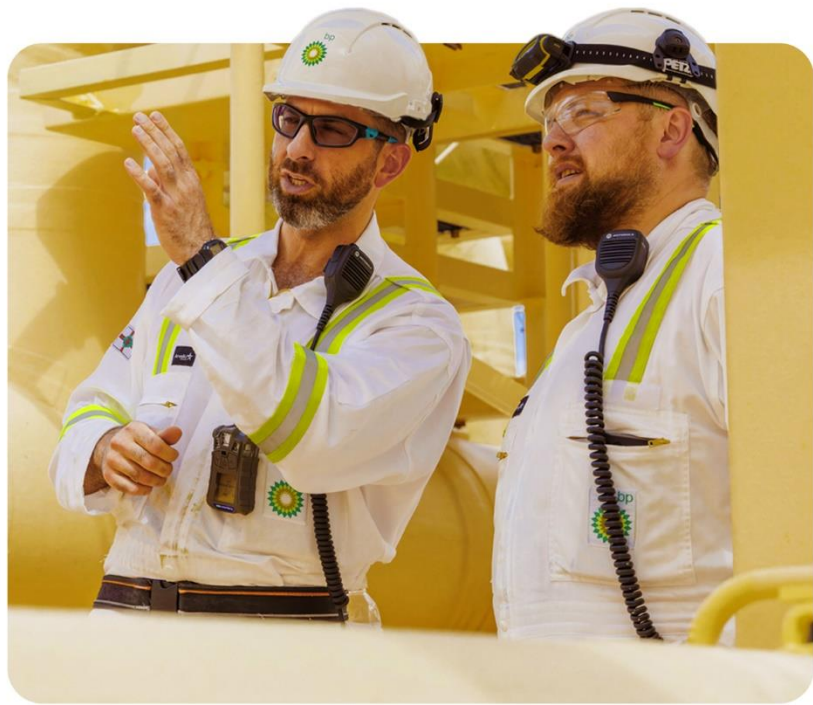




The Future of Energy is Engineered

The Sustainable Energy and Environmental Protection Conference 2025

Professor Giovanni Cristofoli, PhD, C Eng, FIChemE, CSci



**The future of
energy is engineered**



Innovation must serve people

Autonomous drones

Digital twins

Solutions



Collaboration is the catalyst

Academia, industry, operators,
suppliers, policy makers,
communities

E.g., Flare IQ & Baker Hughes

E.g., Life Saving Rules & IOGP

E.g. Battery storage & universities

Solutions



Baker Hughes 

Life Saving Rules



 International
Association
of Oil & Gas
Producers

The multiplier effect

My big learning? Technology brings value,
innovation brings value; but you really get a

multiplier of value

when you combine technology with
ways of working.

The societal dimension

First electrons in Trinidad & Tobago

Community engagement

Training/education programmes

Solutions



Inspiring the next generation

STEM

Internships

Mentorships

Solutions