Energy Transition Dialouges

DAILY BULLETIN

TUESDAY /// FEB 8th

Consultancy Intelligence Publishing

TOP 10 DAILY NEWS DIGEST

Series Supported By:

uniper · المشرق mashreq · مؤسسة نفط الشارقة الوطنية SNOC

"The market is already driving us to a new energy system, and it will be dominated by renewables. So, the direction of travel is clear."

Francisco La Camera
Director General
IRENA

Source: IRENA

Series Supported By:

uniper · المشرق mashreq · مؤسسة نفط الشارقة الوطنية SNOC

Copyright © 2021 GULF INTELLIGENCE FZ LLC. All Rights Reserved.
Registered at Dubai Creative Clusters Authority. Registered Address: DMC 9, Office 310, Dubai Media City, PO Box 502466, Dubai, UAE.

Energy Transition Dialouges

DAILY BULLETIN

TUESDAY /// FEB 8th

Consultancy Intelligence Publishing

Energy Transition Dialogues

VIEWS YOU CAN USE

Consultancy Intelligence Publishing

Dr. Houssem Jemili
Partner, Bain & Company Middle East & Uwe Schmid
Expert Partner, Bain & Company Frankfurt

The Role of Enterprise Technology in Accelerating Decarbonization
Although the benefits of digital technology on sustainability efforts are becoming clearer to some executives, many are still unaware of the specific ways in which enterprise technology can help a company achieve its net zero ambitions—namely, by monitoring total emissions and by improving efficiency across the value chain. But enterprise technology has always enabled companies in their business and transformations, and it has an outsized role to play in helping companies meet their carbon reduction goals in at least three ways.

- **Enabling the transition:** New applications will be critical to help companies monitor their total greenhouse gas emissions and track their progress toward meeting reduction targets.
- **Accelerating the pace of change:** By increasing efficiency across a company's operations as well as its interactions with suppliers, enterprise technology can help reduce emissions across the value chain.
- **Rethinking enterprise technology solutions:** Finally, the enterprise technology function will need to rethink some of its basic operating principles to reduce the emissions of its own operations.

Enabling the transition: Monitor emissions
As with any improvement program, reducing emissions requires understanding your starting point and then measuring progress. Without those insights, executives are flying blind, unable to identify the largest opportunities for improvement, and have little capacity to monitor progress. Increasingly, companies have a wide variety of options from which to choose for measuring not only emissions but also for meeting environmental, social, and corporate governance (ESG) performance goals.

Software-as-a-service solutions:
Many providers of risk management and ESG monitoring software are expanding their capabilities to deliver reports on carbon footprint. The market is still young and very fragmented, so companies have a wide range to choose from, depending on their specific industry and compliance needs.

Bespoke solutions:
Some companies build their own systems to track emissions and other ESG data. This is a natural outgrowth of the way that most companies start out, tracking and collating their own carbon data. Investing in a robust, custom solution may be the right approach for companies planning to use this capability for strategic advantage.

Enterprise resource planning:
Enterprise resource planning (ERP) systems, which already have extensive experience with meeting regulatory constraints in certain verticals, are upgrading to monitor and report on carbon emissions. ERP systems already have access to the relevant resources, including data management systems. Companies can use ERP's current capabilities as a starting point and then extend it by gathering data from a much more varied data landscape.

Distributed ledgers:
Blockchain technologies offer traceability, transparency, security, speed, and efficiency—all of which could be used to track carbon emissions within an organization and across its supply chain. Blockchain ledgers could also be used for tracking rare metals (for example, cobalt used in batteries) or food supply chains. ■

Source: Bain & Company

Series Supported By:
uniper
المشرق mashreq
مؤسسة نفط الشارقة الوطنية SNOC

Copyright © 2021 GULF INTELLIGENCE FZ LLC. All Rights Reserved.
Registered at Dubai Creative Clusters Authority. Registered Address: DMC 9, Office 310, Dubai Media City, PO Box 502466, Dubai, UAE.