

EY Digital Energy Enablement Platform

Connecting operations with the business



Building a better working world



Powered by the Microsoft Power Platform, Microsoft Dynamics 365, Microsoft Azure and Microsoft Office 365, EY DEEP provides an open platform that enhances innovation, supports better decision-making, improves efficiency and reduces time and cost.

EY Digital Energy Enablement Platform (DEEP) connects operational, production, financial and reporting data, providing business context to carbon management

EY DEEP connects operational, production, financial and reporting into a carbon data hub, feeding data back to business solutions.

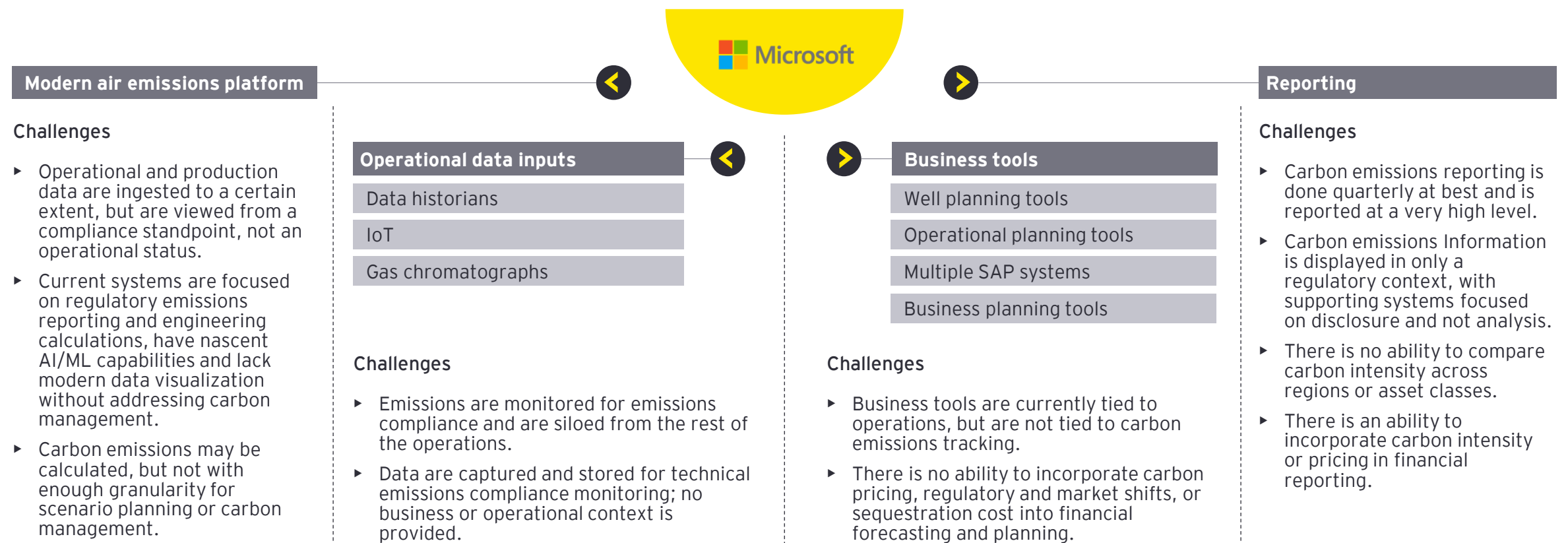
EY DEEP brings disparate data together, using the power of MSFT connectors and other web services.

EY DEEP supports operational and managerial decision-making and analysis.

EY DEEP supports scenario assessment to help companies prepare for a transition to a clean economy.

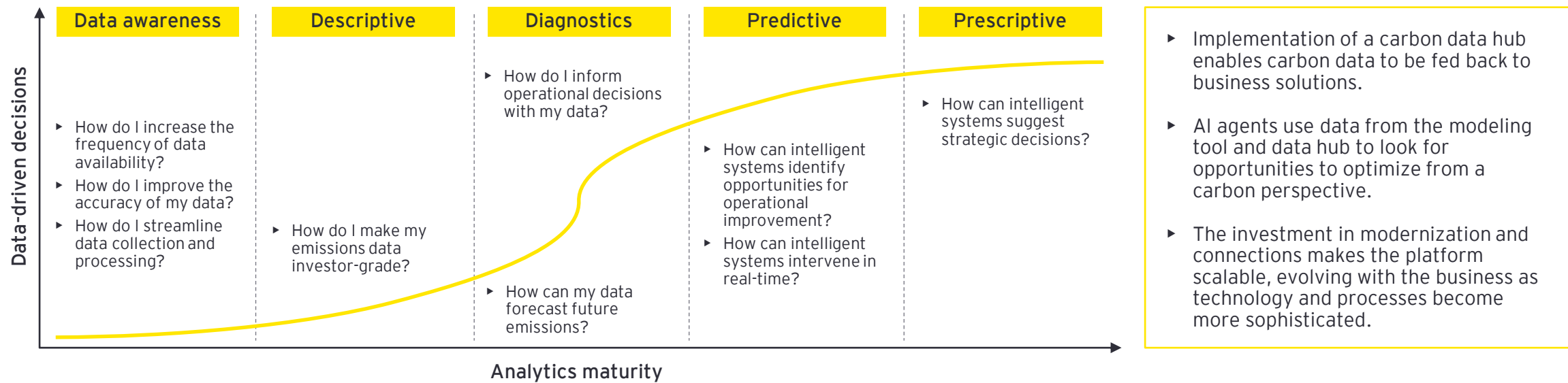
The solution:

- ▶ Provides a common data model that delivers data integrity across multiple user interfaces, improving end-user confidence in a single source of truth
- ▶ Supports future digital solutions, such as artificial intelligence (AI), machine learning and predictive analysis
- ▶ Enables standard and custom analyses of complex processes for faster and more iterative engineering designs and scenario or contingency planning



The EY DEEP value proposition

What questions should I ask myself in the future?



	Finance	Operations	C-suite
Current state	<ul style="list-style-type: none"> ▶ Continued investment in outdated assets based on legacy processes and regulations ▶ Investments that do not account for market and regulatory shifts ▶ Reactive capital allocation siloed within business units 	<ul style="list-style-type: none"> ▶ Carbon management not currently incorporated into operations 	<ul style="list-style-type: none"> ▶ Lack of alignment of risk functions with decarbonization strategic objectives
Future state	<ul style="list-style-type: none"> ▶ Proactive centralized capital allocation model, incorporating carbon pricing, cost of sequestration and demand shifts as variables when planning for capital allocation 	<ul style="list-style-type: none"> ▶ Automated data analysis to identify and solve potential problems pertaining to carbon management and sequestration ▶ Carbon emissions and intensity as variables in operational and planning activities, and plans that are altered to optimize from a carbon emissions standpoint 	<ul style="list-style-type: none"> ▶ Enterprise-wide key risk indicators aligned to decarbonization strategy ▶ Real-time dashboards with forecasting, scenario planning and initiative tracking ▶ Access to investor-grade carbon emissions data
Benefits	<ul style="list-style-type: none"> ▶ Long-term value creation through rebalanced portfolio ▶ Cross-enterprise spending, aligned with strategic carbon reduction goals ▶ Ability to forecast potential financial impacts, identify investments in carbon mitigation and better understand the relationship between production, emissions and finance 	<ul style="list-style-type: none"> ▶ Better insight and transparency into carbon emissions and sequestration monitoring ▶ Active role in driving increased profitability through carbon management 	<ul style="list-style-type: none"> ▶ Better insight into organizational operations, with an improved ability to comprehend and communicate risks, opportunities and company initiatives to address carbon disclosure and reporting, asset planning and strategic business decisions

Ernst & Young LLP contacts



Oscar de Lucio
Principal
Houston, Texas
+1 713 715 2051
oscar.delucio@ey.com
Ernst & Young LLP



Matt F Handford
Principal
Houston, Texas
+1 713 750 8253
matt.handford@ey.com
Ernst & Young LLP



Erik Funfar
Senior Manager
San Diego, California
+1 858 357 7287
erik.r.funfar@ey.com
Ernst & Young LLP



Derek Przybylo
Senior Manager
Denver, Colorado
+1 312 497 7396
derek.przybylo@ey.com
Ernst & Young LLP

EY and Microsoft

The EY and Microsoft alliance combines the deep insights and experience of EY in business process transformation, industry trends and new business models with Microsoft's scalable, enterprise cloud platform, and digital technologies. These complementary capabilities offer a rich and proven foundation to help our clients move faster and create sustainable value by amplifying business performance. Together, our solutions provide rapid speed-to-value mapped to each client's specific business objectives. For more information, explore ey.com/digitaloil.

EY | Building a better working world

EY exists to build a better working world, helping to create long-term value for clients, people and society and build trust in the capital markets.

Enabled by data and technology, diverse EY teams in over 150 countries provide trust through assurance and help clients grow, transform and operate.

Working across assurance, consulting, law, strategy, tax and transactions, EY teams ask better questions to find new answers for the complex issues facing our world today.

EY refers to the global organization, and may refer to one or more, of the member firms of Ernst & Young Global Limited, each of which is a separate legal entity. Ernst & Young Global Limited, a UK company limited by guarantee, does not provide services to clients. Information about how EY collects and uses personal data and a description of the rights individuals have under data protection legislation are available via ey.com/privacy. EY member firms do not practice law where prohibited by local laws. For more information about our organization, please visit ey.com.

How EY's Global Oil & Gas team can help you

As changing demand and pricing volatility transforms the oil and gas industry, companies must reshape to thrive in this new energy world. But how do you balance the immediate cost and regulatory pressures of "now" with investment in what comes "next?" EY's Global Oil & Gas team brings together the breadth of experience and talent needed to approach the entire transformation process. By considering four key pillars of change – structure and culture, customers, technology, and skills and capabilities – we can help you adapt for today and reap the opportunities of tomorrow. And together we can build a better working world.

© 2021 EYGM Limited.
All Rights Reserved.

EYG no. 004954-21Gbl
2105-3779244
ED None

This material has been prepared for general informational purposes only and is not intended to be relied upon as accounting, tax, legal or other professional advice. Please refer to your advisors for specific advice.

ey.com