Data Lake for Energy

Uncover business insights more quickly by exploring, accessing and coalescing our data, your data and third-party data on a single, cloud-based platform

Data volumes are growing at an exponential rate and unprecedently low storage costs are allowing firms to collect huge amounts of data in a viable way. The potential for uncovering insight and predicting supply and demand has never been greater.

Yet, the process of data to insight is fraught with challenges. Custom data types and formats, combined with complex structures, mean that data needs to be interpreted in order to be used effectively. Specialists are required to extract meaningful insight and the so-called 'time-to-value challenge' sees firms grappling for months with datasets before any actionable intelligence is extracted.
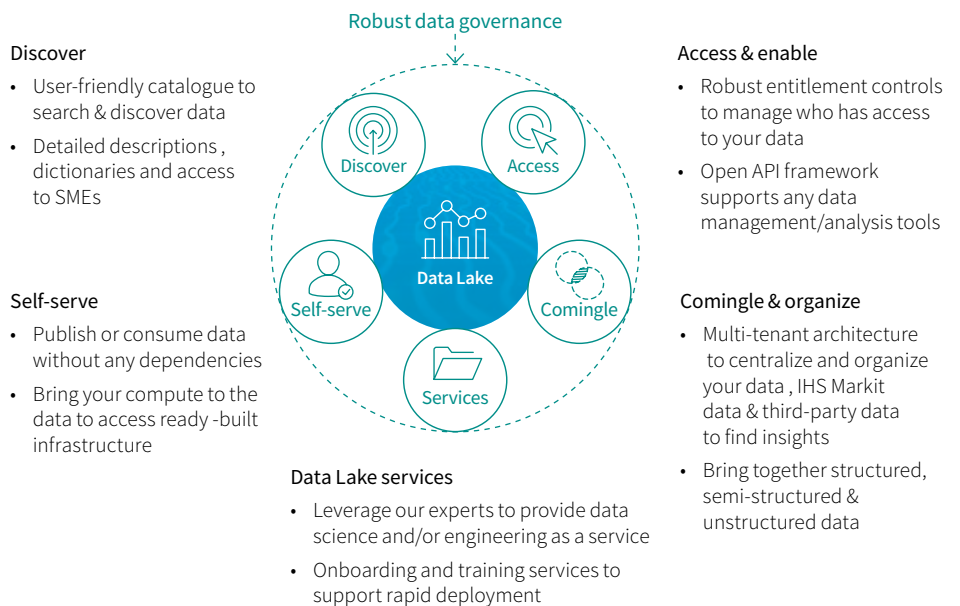
The IHS Markit Data Lake empowers you to uncover business insights more quickly by exploring, accessing and coalescing our data, your data and third-party data on a single, cloud-based platform. Populated with over 1,000 of our datasets from multiple industries, including financial services, automotive, maritime, energy & natural resources, they have been curated into more than 350 data packages to expedite time-to-value.

Data Lake Overview:

Robust data governance

Discover
- User-friendly catalogue to search & discover data
- Detailed descriptions, dictionaries and access to SMEs

Self-serve
- Publish or consume data without any dependencies
- Bring your compute to the data to access ready-built infrastructure

Data Lake services
- Leverage our experts to provide data science and/or engineering as a service
- Onboarding and training services to support rapid deployment

Access & enable
- Robust entitlement controls to manage who has access to your data
- Open API framework supports any data management/analysis tools

Comingle & organize
- Multi-tenant architecture to centralize and organize your data , IHS Markit data & third-party data to find insights
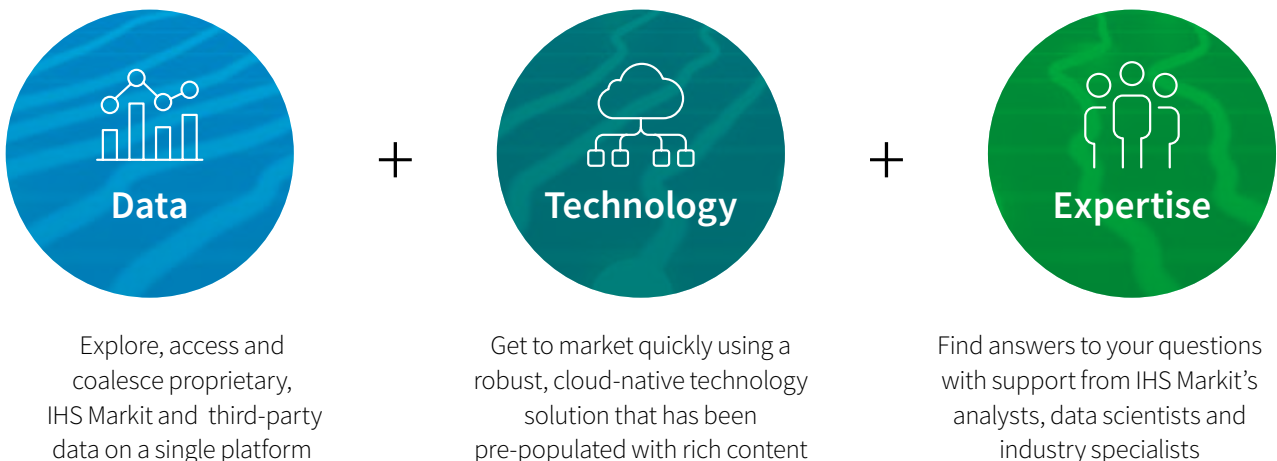- Bring together structured, semi-structured & unstructured data

Energy Use Cases

By transforming the way in which you find and access data, the Data Lake supports advanced analytics and data science at scale. It opens up the opportunity to derive new insights that can drive innovation and new product creation.

Companies are accessing a wide variety of our Energy datasets, including our G20 country emissions outlooks, hydrogen market forecasts, and power consumption outlooks among many others, to find answers to:

- **How close will countries come to their Net-Zero targets?**
  Review and compare G20 country emissions outlooks by sector out to 2050 in five different scenarios.

- **How and where is the power sector decarbonizing?**
  Combine long-term power consumption outlooks with the sector's emissions sources, revealing where the big targets for decarbonization exist across countries.

- **What is the long-term outlook for a hydrogen economy?**
  Search for the hydrogen market forecast to understand where the market will really exist and in what timeframe.

- **Who is best prepared to adapt to the energy transition?**
  Dive into company portfolios, understand their balance of oil vs gas weighted assets and know where they are entering or exiting. See how market leaders are adjusting strategies for the sector's next phase.

- **Is this a good deal?**
  Rapidly evaluate potential acquisitions: from the balance sheet, debt and stock performance, through to exploration performance history, appetite for risk, and technical innovation.

- **How will Governments adapt to an economy less dominated by oil?**
  Who are the champions for progressive fiscal and environmental policies and where has this been successfully implemented?

- **Which markets are most rapidly adopting electric vehicles and ripe for infrastructure upgrades?**
  Search for electric vehicle registrations by market and combine with infrastructure data to determine the best places for capital expenditures.

IHS Markit Data Lake

Data + **Technology** + **Expertise**

Data	Technology	Expertise
Explore, access and coalesce proprietary, IHS Markit and third-party data on a single platform	Get to market quickly using a robust, cloud-native technology solution that has been pre-populated with rich content	Find answers to your questions with support from IHS Markit's analysts, data scientists and industry specialists

More information on IHS Markit products and services

AMERICAS
+1 800 447 2273

EMEA
+44 1344 328 300

APAC
+604 291 3600

customercare@ihsmarkit.com