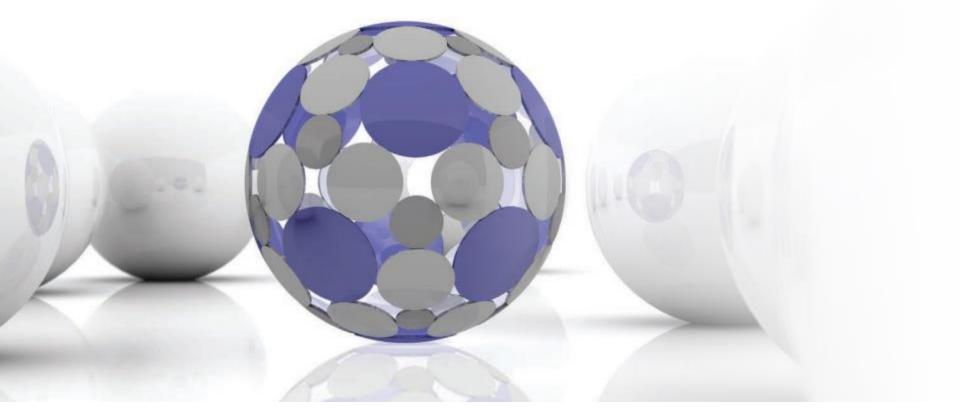
# IHS Connect<sup>®</sup>

# Quick Start Guide







IHS Connect is an online market and business intelligence platform enabling faster, smarter, and more efficient access to world renowned information and insight from IHS. A single intuitive interface enables users to discover, analyze, visualize and integrate a diverse range of industry-leading analysis, market research, technical information and forecasts.

#### IHS Connect. Connecting you to a world of information and insight from IHS.

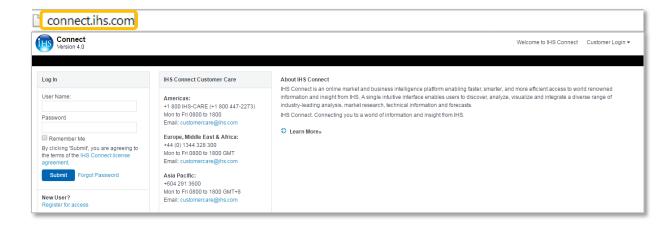
Your IHS Connect experience will vary based on your subscriptions

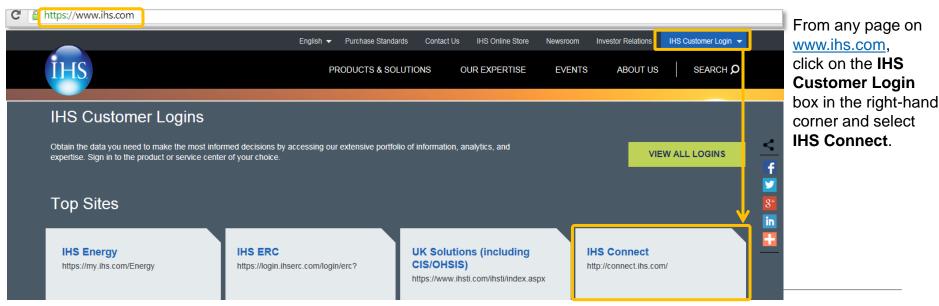




### How to Access IHS Connect Two easy ways to get started

Go directly to: http://connect.ihs.com





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# Logging In

### Input your corporate email address and password to access IHS Connect.

#### Need a password?

Connect Version 4.0

Log In

User Name:

Password

agreement Submit

New User?

Register for access

Remember Me

By clicking 'Submit', you are agreeing to

Forgot Password

the terms of the IHS Connect license

Click Forgot Password, enter your corporate email address and click Request Password. You will receive confirmation your password has been sent to your email address and be provided with a link to log in.

IHS Connect Customer Care

Email: customercare@ihs.com

Europe, Middle East & Africa:

Mon to Fri 0800 to 1800 GMT

Email: customercare@ihs.com

Mon to Fri 0800 to 1800 GMT+8

Email: customercare@ihs.com

Mon to Fri 0800 to 1800

+44 (0) 1344 328 300

Asia Pacific: +604 291 3600

+1 800 IHS-CARE (+1 800 447-2273)

Americas:

email address, confirmation that dress and be	Request Password						
	Please enter the e-mail	I address used when you registered with	IHS. Your password v	vill be sent to this address.			
	Registered E-mail Add	1859					
	Request Passwor						
About IHS Connect							
IHS Connect is an online market and b information and insight from IHS. A sin industry-leading analysis, market resea	gle intuitive interface enable	s users to discover, analyze, visualiz					
IHS Connect. Connecting you to a wor	ld of information and insight	from IHS.					
Learn More»	IHS Connect Regi	stration					
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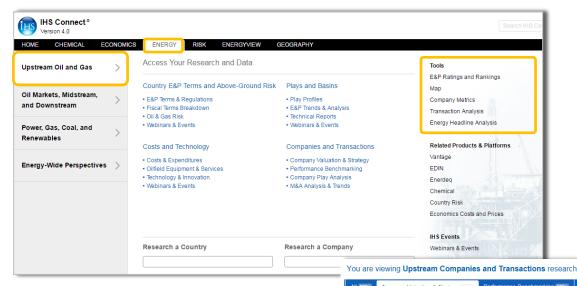
Not Registered? Click **Register for access**, follow the registration steps, click Submit, and IHS Customer Care will issue you login credentials to IHS Connect.



About this page

### **Company Metrics Tool**

This tool provides oil and gas company financial and operational metrics.



To access **Company Metrics**, hover over the **Energy** menu and **Upstream Oil and Gas.** 

Click on **Company Metrics** in the **Tools** section.

**Company Metrics** can also be accessed on the **Upstream Companies and Transactions** research page in the **Primary Tools** section.

Performance Benchmarking 999+ Company Play Analysis 191	M&A Analysis & Trends 999+	Assets on the Market 999+ Webinars & Events 3
Title	Published 4 File	es Primary Tools
		Transaction Analysis Assets on the Market Company Metrics E&P Portfolio Tool
IHS Webinar Latin America Series—The Latin America Shakeout: The good, the bad, and the ugly	02 Jun 2016	Global Projects Company Coverage
company valuations, debt-to-appraised net worth; cash flow, EBITDA, and earnings per share forecasts; and		Analytics and Charts     Related Tools and Platforms     Methodology & Glossary
Valuation Report - Imperial Oil Ltd. (TSX: IMO) year-enc 2015: Valuation falls 20% as stable downstream, increased proved reserves cushion impact of lower oil prices Arctive	26 May 2016 🗾 🛌	Research a Country or Company     Headline Analysis
oil windows or higher gas and NGL prices to boost value		Expert Directory
	Title           Valuation report - QEP Resources, Inc. (NYSE: QEP) year-end 2015: Valuation fails 34% despite encouraging results from enhanced completions in Williston, Permiar basins Aretive           HS Webinar Latin America Series—The Latin America Shakeout: The good, the bad, and the ugly           The Relative Valuation Tables, updated weekly, include company valuations, debt-to-appraised net worth; cash flow, EBTDA, and earnings per share forecasis; and comparative panographs for approximately 80 oil and ge companies in ten peer groups           Valuation Report - Imperial Oil Ltd. (TSX: IMO) year-enc 2015: Valuation fails 20% as stable downstrem, increased proved reserves cushion impact of lower oil prices Aretive           Valuation Report - Continental Resources, Inc. (NYSE: CLR) year-end 2015: MId-Continent plays require larger	Title         Published         Fill           Valuation report - QEP Resources, Inc. (NYSE: QEP) year-end 2015: Valuation falls 34% despite encouraging results from enhanced completions in Williston, Permian basins         02 Jun 2016         2           IHS Webinar Latin America Series—The Latin America Shakeout: The good, the bad, and the ugly         02 Jun 2016         2           The Relative Valuation Tables, updated weekly, include company valuations, debt-to-appraised net worth; cash flow, EBITDA, and earnings per share forecasts, and comparative panographs for approximately 80 oil and gas companies in ten peer groups         31 May 2016         2           Valuation Report - Imperial 01 Ltd. (TSX: IMO) year-end 2015: Valuation falls 20% as stable downstream, increased proved reserves cushion impact of lower oil prices         26 May 2016         2           Valuation Report - Continental Resources, Inc. (NYSE: CLR) year-end 2015: Mid-Continent plays require larger oil windows or higher gas and NGL prices to boost value         26 May 2016         2



# **Company Metrics Tool: Create Query**

The Tool homepage provides access to definitions, methodologies, predefined search templates, and the ability to create your own custom query using the **Search** button.

Company Metrics							
Search							
Search	Line item definitions     Herold Methodology     Preliminary Upstream Performance Results						
Saved Searches	Quick Searches	Quick Searches					
	<ul> <li>Financial Statements</li> </ul>	Upstream Metrics					
	Income Statement	Full Oil & Gas Disclosure					
	Balance Sheet	Upstream Capital Spending					
	Cash Flow Statement	Upstream Cost Metrics					
	General Information	Reserves & Production Metrics					
	Financial Metrics	Interim Upstream Metrics					
	<ul> <li>IHS Metrics</li> </ul>	Reserve Metrics					
	IHS Herold Appraised Net Worth (ANW)	Results of Oil & Gas Operations					

Once all criteria is selected, click View Results. Save Search to save into My Connect. Export to Excel to export data directly without viewing results first. Customize Layout Configuration to format the results table.

View available selections in different groupings including a keyword search, alphabetical listing, and tree structure.

In the **Create Query** page, navigate from the available categories to the left of the page to choose the items for your search; Expand the trees using the arrows, select the box next to your desired selection.

Filter categories include:

- **Company:** Select from over 700 energy companies.
- Region: Contains different geographic regions for use.
- Line Item: Browse from over 1,100+ data items for use.
- Time: Contains historical time periods back to 1992.
- Currency: Select from 20+ different currencies.

Once criteria is selected, click View Results.

Company Metrics 》 Create Query			View Results	Save search	Export to Excel	Layout Configuration
FILTER BY (click to expand)		SELECT COMPANY		C	search	A-Z 🛤
Company (6 selected)	Clear All	UNIVERSE				
GLOBAL INTEGRATED OILS BP plc	ት ት <mark>አ</mark>	<ul> <li>ALL INTEGRATED &amp; DIVERSIFIED OILS</li> <li>GLOBAL INTEGRATED OILS</li> </ul>				
Chevron Corp.		BP plc				
Exxon Mobil Corp.		Chevron Corp.				
Royal Dutch Shell plc		Exxon Mobil Corp.     Royal Dutch Shell plc				
Total S.A.		Total S.A.  OUTSIDE NORTH AM. INTEG/DIV. OILS  CANADIAN INTEGRATED OILS	;			
Region (8 selected)	Clear All	ALL E&Ps				
Line Item (113 selected)	Clear All	UUT OF BUSINESS, ACQUIRED OR OTHER				
Time (5 selected)	Clear All					



# **Company Metrics Tool: Results**

Customize the results pivot table by dragging and

dropping the blue category labels in the X

or Y axis headers.

Display Statistics (average, median, etc.).

Save search to save into My Connect and to download a refreshable data file (see page 8 of this guide).

Export to Excel to export data directly without viewing

					esults first.		without viewing			
	Company Metrics » Cre	eate Query 🕅 Results	of Reserves & Productio	n Metrics		Display statistics Save s	earch Export to Excel			
	Results Table:									
	Availal le filters: Drop Filter Fiel	lds Here								
		2014	Vorldwide (Consol. & NCI)		2011	2010				
T Line Item	▼ Line Item	ACTIVE COMPANIES	🖣 🍺 💇 Canada (Consol. Only): Total, net	E COMPANIES	ACTIVE COMPANIES	ACTIVE COMPANIES				
Click on blue	blue Worldwide (Co	Worldwide (Consol. & NCI)	N South & Central America ↓ ▼ Africa/Middle East	wide (Consol. & NCI)	Worldwide (Consol. & NCI)	Worldwide (Consol. & NCI)				
arrows to expand fline items.	<ul> <li>Oil &amp; Gas Reserves &amp;</li> <li>Production (1=w/Probables): (Header)</li> </ul>		<ul> <li>▼ East &amp; South Asia-Pacific</li> <li>▼ Russia &amp; Caspian (Consol. only)</li> <li>▼ Europe: Total (Consolidated only)</li> </ul>				-			
	Oil Reserves and Production: (Header)		OK Cancel							
	Oil/Liquids Beginning Year Reserves, MMbbls	210,879.20	190,791.34	190,582.57	180,845.5	7	176,995.92			
	Oil/Liquids Revisions, MMbbls	4,935.47	3,442.38	7,018.16	8,120.1	8	6,053.35			
Click the category filter option to	Oil/Liquids Extensions & Discoveries, MMbbls	7,792.72	12,139.50	11,98 <mark>9.28</mark>	10,682.4		7,921.34			
select items	MMbbls	896.88	1,610.20	1,51 <mark>2</mark> .39	952	Input: Changes that do not fit any other reconcilaition line item category listed.	1,496.97			
shown.	Oil/Liquids Purchases, MMbbls	1,834.22	20,417.06	1,66	2,010	Could involve restatement due to expropriation, ownership dispute	2,728.85			
	(Oil/Liquids Sales of Reserves), MMbbls	-1,653.85	-6,193.44	-2,94 <sup>.</sup> ′.93	-1,18 <mark>:</mark>	resolution, change in regional disclosure break-out and/or consolidation accounting. More	-2,499.56			
	Oil/Liquids Transfer/Reclassification/Other,	8,655.46	2,996.22	-5,58 7.69	2,32(	ОК	1,584.03			
			Dou	hlo click into	data coll					

Click Create Query

to update your query.

Double click into data cell to view notes or calculations.



# **Company Metrics Tool: Refreshable Data File**

The Company Metrics tool provides the ability to create a **refreshable data file** you can refresh from Excel without having to come online into Connect. To do this, follow the below steps:

- 1. Create and save data series to My Connect (see page 7 of this guide).
- 2. Retrieve saved data table in My Connect.
- 3. Click on **Export (Refreshable**).
- 4. Download and save file to your computer.
- To update the data, use the Data Tab > Refresh option in Excel. When the data is refreshed, you will be prompted to enter your IHS Connect login credentials

DASHBOARD	MAP	MY CONNECT
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Region	s	
Locatio	ns	
d for Service	Alerts	
ition Email S efau	Settings	

DME CHEMICAL ECONO Company Metrics >> Creat Results Table:			ENERGYVIEW	GEOGRAPH	Y			Displa	With line it			
Available filters: Drop Filter Fiel	lds Here											
United States dollar	T Company	T Region T	Time									
	ACTIVE COMPAN	NES										
	Worldwide (Consol. & NCI)					U.S. (Consolidated only)					Canada (Consol	
	2015	2014	2013	2012	2011	2015	2014	2013	2012	2011	2015	
<ul> <li>Oil &amp; Gas Reserves &amp;</li> <li>Production (1=w/Probables): (Header)</li> </ul>											4	
Oil Reserves and Production: (Header)												
Oil/Liquids Beginning Year Reserves, MMbbls	221,000.38	216,554.8	188,802.51	188,308.94	178,529.45	31,072.17	27,692.13	24,936.12	21,645.47	18,026.7	27,840	
Oil/Liquids Revisions, MMbbls	-6,905.68	6,517.55	3,394.58	6,946.93	7,914.78	-5,144.7	-174.25	-544.72	-59.06	678.64	1,377	
Oil/Liquids Extensions & Discoveries, MMbbls	10,198.37	10,342.42	11,028.19	11,676.45	10,575.62	3,506.85	4,801.59	4,693.55	4,304.7	2,668.89	773	
Oil/Liquids Improved Recovery, MMbbls	642.59	1,079.96	1,681.79	1,542.55	947.69	252.46	525.74	411.29	503.71	218.31	42	
Oil/Liquids Purchases, MMbbls	1,354.23	2,269.85	24,724.97	1,625.05	1,873.56	701.65	1,590.39	657.92	1,069.37	429.94	312	



### **Contact Us**

For questions or assistance, contact our Customer Care team.

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Log in today at connect.ihs.com