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For registration opportunities, please contact:

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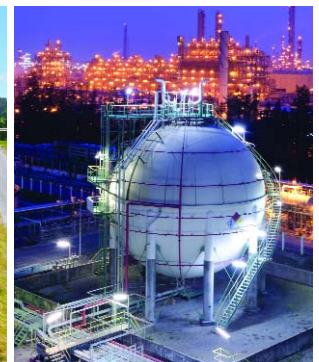
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Workshop on

# Role of Analytics in the Oil & Gas Sector

April 11-13, 2017

The Grand, Vasant Kunj, New Delhi



## Role of Analytics in the Oil & Gas Sector

Big data and analytics may be new to some industries, but the oil and gas industry has long been dealing with large quantities of data to make technical decisions. In their quest to learn what lies below the surface and how to bring it out, energy companies have, for many years, invested in seismic software, visualisation tools and other digital technologies.

The rise of pervasive computing devices, affordable sensors that collect and transmit data, new analytic tools and advanced storage capabilities is opening up more possibilities every year. Oil producers can capture more detailed data in real time at lower costs and from previously inaccessible areas to improve oilfield and plant performance. Oil and gas companies will need to improve their analytics capabilities in order to compete in an industry where decisions are being made faster and the stakes are growing higher.

Data-driven analytics is becoming an important point of competitive differentiation in the oil and gas industry. It is a set of tools and techniques that provides the means for the extraction of patterns and trends in data, and the construction of predictive models, which can assist in decision-making and optimisation.

During this course, attendees will become familiar with the fundamentals of data-driven analytics and the most popular techniques that are used to perform such tasks, such as conventional statistics, artificial neural networks and fuzzy set theory.

# ABOUT INDIA INFRASTRUCTURE PUBLISHING

India Infrastructure Publishing is the leading provider of information on the infrastructure sectors. The company publishes *Indian Infrastructure* (a magazine on infrastructure policy and finance), *Power Line* (India's premier power magazine) and *Renewable Watch* (covers the entire spectrum of renewable energy). It also publishes the *Gas in India* report, *Oil & Gas News* (a weekly newsletter) and the *Oil & Gas Directory and Yearbook*.

## ABOUT iEnergy

iEnergy provides analytics-driven solutions to the oil & energy industry. We enable, integrate and analyse oil & energy businesses. We help companies create their digital twins, connect to their remote assets and manage their performance. We have highly experienced domain experts in industry, technology and analytics, who passionately help our clients outperform.

[www.ienergydigital.com](http://www.ienergydigital.com)

### TO REGISTER, CONTACT:

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or visit us at [www.indiainfrastructure.com](http://www.indiainfrastructure.com)



## OBJECTIVE

To become a business analytics professional in oil and gas/refinery/ petrochemical plants and inculcate an approach to business governance that values decisions that can be backed up with verifiable data.

- ❖ Gaining knowledge of core operations in the oil and gas vertical where analytics could be applied
- ❖ Solving complex issues and analysing the available data pertaining to operations and maintenance, reliability, safety, procurement, inventory, finance, human resource and other functions
- ❖ Becoming proactive in adopting forecasting and predictive techniques
- ❖ Applying analytics using R, Excel and Alteryx

## WHO SHOULD ATTEND?

This course is intended for:

- ❖ CIOs
- ❖ IT managers
- ❖ Head of operations and maintenance
- ❖ Refinery professionals
- ❖ Field engineers
- ❖ Drilling and production professionals
- ❖ Geoscientists
- ❖ Reservoir engineers
- ❖ Asset managers

# COURSE CONTENT

DAY 1	Introduction to Business Analytics and its Tools	Applications of the Types of Analytics and Self-service Analytics (Alteryx-demo)	Lunch	Basics of Data and Introduction to R (demo)	Linear Regression	Q&A
	Logistic Regression	Clustering		Decision Tree	Time Series Modelling	
DAY 2						
DAY 3	Predictive Modelling Techniques (Practical)	Maintenance Strategy Optimisation (Practical)		Industry Business Case	Data Visualisation	

## TRAINERS PROFILE

The three-day training will be led by a faculty of two trainers, who have experience of more than 20 years in analytics, consulting and strategy. They have expertise on topics that include Data Mining & Business Analytics, Market Analysis, Risk Assessment, Banking Analytics & Model Building, and Statistical Analysis.

They have degrees from premier institutions like IIT and BITS Pilani. They are Microsoft Certified Standards Professionals, SAS Certified Base Programmers, Six Sigma Black Belt Certified and Certified Analytics Professionals.

Both our trainers are visiting faculty at IIM-Ranchi, BITS Pilani, IIT, NIT, Amity Institute of Applied Science, Amity University, and many more.

*The companies that have participated in our previous conferences on "City Gas Distribution in India, Gas in India and IT & OT in Power" included ABB, Acme, Adani Gas, Agi-Glaspac, AI Aziz, Aarvi Encon, Allard Partners, Anacon Process Control, APGIC, Ario Infrastructure, Arrukn Consultation, Auctus Advisors, Asahi Glass, Assam Gas Limited, AT Kearney, Avantha Power & Infra, Avantika Gas Limited, Avineon, Basell Polyofins India, BASG, Berry Plastics, Bhagyanagar Gas, Bhotika Pipeline, Bourouge, BP Exploration (Alpha) India, BPCL, Burckhardt Compression, Bridge and Roof, Cairn Energy, Caterpillar Commercial, Central UP Gas, CEIL, Chemtrols, Chevron, Chicago Pneumatics, Clarke Energy, CPL Energy India, CRISIL, Cryogas, Cyient/Equipment, Daniel Measurement Solutions, Duraline, Denso International India (P) Limited, Directorate General of Hydrocarbons, DNV GL, Dolat Capital Market, Dura-Line India, EY, East India Petroleum, Eastern Gas, EIL, Elster-Instromet, Elara Capital, Emerson, ESAB, Essar Oil, Evonik, ExxonMobil, Feedback Ventures, Ferranti, Fike Safety, Fujitsu, GAIL, Gas Natural Fenosa, Gasvigil Technologies (P) Limited, GDF Suez Energy, GE Sensing, GE Oil and Gas, Genus Power Infrastructures, Germanischer Lloyd Industrial Services GmbH, George Fisher, GLNoble Denton, Glynwed, GMMCO, GMR Energy, Green Gas, GSPC, Gujarat Gas, Gujarat Glass, Haryana City Gas Distribution, HCC, Hitachi, Hoerbiger India, Honeywell, HPCL, ICF, ICICI Bank, ICPCI, ICRA, IDBI, IDCO, IDFC, IFC, IGL, Imkemex, Indian Oil Corporation, Indraprastha Gas, INEL Gas Controls, Intertek, Ispat Energy, Itron, Jain Irrigation, Jubilant Energy, Jai Hind Projects, Katlax, Kawasaki, Kerala State Industrial Development Corporation, Kimplas Piping, Kirloskar Oil Engines, Kirloskar Pneumatics, Kotak Mahindra, Kotak Securities, KPMG, KSIDC, L&T Valves, Lanco Infratech, Leister Technologies/Mahanagar Gas, Maharashtra Natural Gas, Mahesh Gas, Maharashtra Seamless, Makwana Engineering, McElroy, Mekon, MIDC, Mitsui & Co., MNGL, MoPNG, Moit Macdonald, Morgan Stanley, Mueller, NCC, NTPC, Oil India, ONGC, Oracle, PDIL, Parker Hannifin, Petro IT, Pinnacle Engines India, Petronet LNG, PNG Ministry, PNGRB, PPAC, Pratibha Industries, Protos Engineering, PTT, Quippo Energy, Rajasthan State Gas, Ratnamani, Ramboll Oil & Gas, Raychem RPG, Reliance Natural Resources, RMG Autometers, RMSI, Rockwin Flowmeters, Rolls Royce, Rosewood Projects, RPG Raychem, Sabarmati Gas, Saifre Capital, Sandvik Asia, Sangir Plastics, SAP, Savair Energy, Saumya DSM, SBI Capital, Secured Meters, Shell, Sick India, Simon Carves, Siti Energy, Spice Energy, State Bank of Hyderabad, Sterling & Wilson, Suraksha Products, Tata Power, TDW India, Technip KT, TGE Engineering, The Corporate Profile, TIL, TNGCL, Toyota Kirloskar Motor, Tractebel Engineering, Tractors India, Trimble Navigation, Tripura Natural Gas, Vargo Petro-Tech, Varicon Pumps, VCS Quality Services, Veekay Plast, Warburg Pincus, Wärtsilä, Welspun Infratech and Wipro.*

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## REGISTRATION FORM

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### 2. Wire Transfer:

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## REGISTRATION FEE

Delegates	Fee Structure		
	Basic	Service Tax	Total
For One delegate	48,000	7,200	55,200
For Two delegates	84,000	12,600	96,600
For Three Delegates	120,000	18,000	138,000
For Four Delegates	156,000	23,400	179,400

- Service tax of 15 per cent is applicable on the registration fee.
- Registration will be confirmed on receipt of the payment. To register online, please log on to <http://indiainfrastructure.com/conf.html>

## TERMS AND CONDITIONS

### Payment Policy

- Full payment must be received prior to the conference.
- The conference is a non-residential programme.
- Conference fees include lunch, tea/coffee and conference materials.
- Conference fees cannot be substituted for any other product or service being extended by India Infrastructure Publishing Pvt Ltd.
- Discount offers cannot be combined with any other offer.