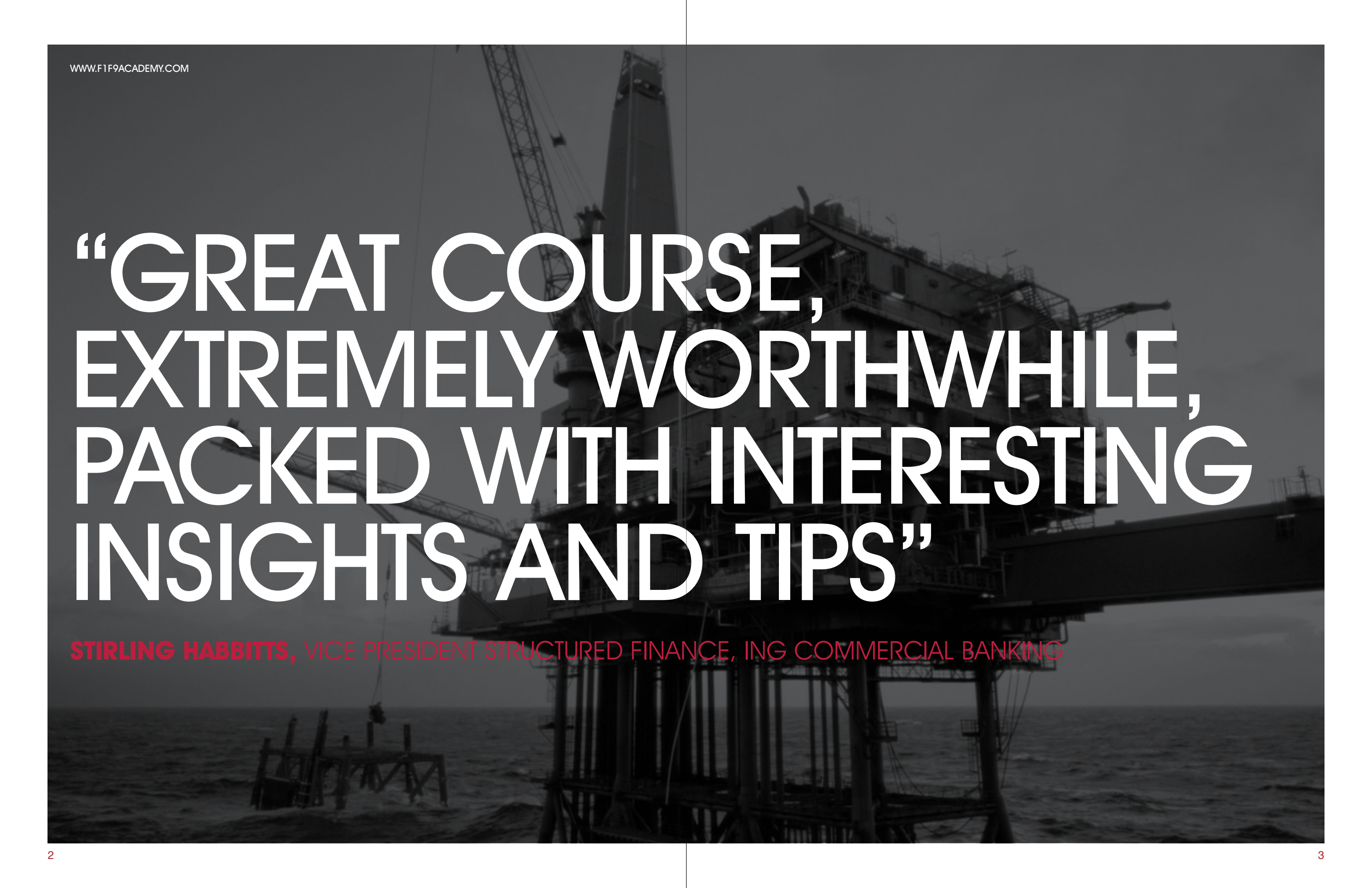# F1F9ACADEMY

# T202
## ADVANCED
## OIL & GAS MODELLING

# "GREAT COURSE, EXTREMELY WORTHWHILE, PACKED WITH INTERESTING INSIGHTS AND TIPS"

**STIRLING HABBITTS,** VICE PRESIDENT STRUCTURED FINANCE, ING COMMERCIAL BANKING

# T202 ADVANCED OIL & GAS MODELLING

**Three-day advanced oil and gas modelling course:**
Gain a thorough understanding of how to structure your spreadsheet model to help your analysis process

**Tuition from industry experts:**
Learn to model the key features of oil and gas projects including the main parameters and terms

**A hands-on course based on real industry case studies:**
Speed up your decision making process by building a financial model that meets the needs of your industry

**Enhance your commercial knowledge along with your modelling skills:**
Learn the language of project commercial decision making and how it relates to the spreadsheet model

**Based on the FAST Standard:**
Create robust oil and gas models that are built to an internationally recognised standard

### Outline

Advanced Oil & Gas modelling (T202) is a core skills training course that provides hands-on instruction in designing and building spreadsheet models for decision making. The course will assist modellers in the industry to analyse, interpret and evaluate oil and gas projects.

The course consists of approximately one-quarter theoretical instruction and three-quarters practical, hands-on facilitated spreadsheet model design and development. Instructors will take delegates through visuals on specific elements of the models before leading practical sessions that form the bulk of the course.

The course is built around the development of two model case studies compatible with Excel 2010, 2007 and 2003.

### Target audience

This sector specific financial modelling course is designed for people who need to build or run oil and gas project models. It assumes a basic level of modelling experience – and experience of working with FAST financial models will be an advantage. By the end of this course, well prepared delegates will be able to approach with confidence the more complex modelling challenges involved in oil and gas projects.

NB for those with little or no modelling experience, we recommend that you consider T101 FAST financial modelling.

### Teaching approach

This is a highly practical and hands-on financial modelling course. Delegates follow the instructor's lead, while building their own financial models on their own computers. In this way, delegates have an immediate opportunity to practise what they have been taught.

### Agenda

While working through case studies, the course will cover the essential elements of model design, Excel modelling techniques, and the principles of the FAST Standard. Delegates will learn to apply FAST modelling principles as they improve their modelling design, style, structure and productivity. As delegates construct their models step by step, they will consider in detail how to model the key features of oil and gas projects including value chains, conversion factors, production, abandonment costs and tax issues.

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**Class sessions**

Using case studies on Offshore Gas Field Exploration and Development and an LNG Liquefaction Project, the course covers the following topics over 3 days:

- Introduction  Oil and Gas Value Chain (upstream, midstream, downstream)
- Terminology (oil, natural gas, unit of measure)
- Conversion Factors
- Concepts of Cash Flow and Time Value of Money
- Model Parameters
  - Business Structure
  - Development Timeline
  - Inflation and Escalation Foreign Currency (Exchange)
  - Development Cost and Capitalisation
  - Production Volumes Revenue
  - Operating and Maintenance Cost
  - Abandonment Cost
  - Fiscal
  - Deferred Tax
  - Tax Loss Carry Forward
  - Depreciation and Capital Allowances
  - Working Capital
  - Dividends
- Statements
  - Cash Flow Income (P&L)
  - Balance Sheet
- Dashboard and Presentation Economic Metrics

**Requirements**

Delegates should have a basic understanding of MS Excel (e.g. syntax of IF statement, purpose of $s for anchoring cell references). They will also need to bring a laptop with them, ideally one they are accustomed to using, with a Microsoft Windows operating system and Microsoft Excel loaded with Analysis Toolpak available. Laptops may be rented from F1F9 for an additional charge. Delegates are required to complete a short online pre-course.

**Pre-work**

Participants are expected to have completed the "Introduction to FAST" and T101 FAST Financial Modelling courses. If you have not completed the T101, you can sign up and complete the online version of that course ahead of the T201.

**Contact us** for details of either the *online* or *classroom* T101.

**Post course support**

Our objective is not to get you through a three day course and then leave you to it. Our objective is to transform your financial modelling skills. For that reason, your course fee includes unlimited post course online support. Your post course questions will be answered within 24 hours, and our responses will usually be much quicker than that. We also use our delegates' questions to inform the development of new content, much of which we make available free of charge.

"...a breakthrough in our thinking about financial modelling."

**Nathan Goode,** Partner, Grant Thornton

"It's surprising how much quicker people become when they know the methodology."

**Jerome Brice,** Partner, Mazars

"One of the best courses I've ever taken."

**Stephan Knobloch,** European Bank for Reconstruction and Development

# ABOUT
# F1F9 ACADEMY

We teach the best financial modelling courses available on the market today.

We also run a busy financial modelling practice with over 40 modellers, all of whom use the techniques we teach on our courses.

Financial modelling is our core business. This is what we do.

## FIND OUT MORE ONLINE:

WWW.F1F9.COM/FINANCIAL-MODELLING-TRAINING/

INFO.F1F9.COM/31-DAY-FINANCIAL-MODELLING-COURSE

INFO.F1F9.COM/WHAT-OUR-CLIENTS-SAY

BLOG.F1F9.COM/

## SOME OF OUR REGULAR TRAINING CLIENTS:





F1F9 is accredited by the FAST Standard Organisation Ltd to deliver FAST training courses. See: www.FAST-standard.org/training for details

**F1F9**

20-22 Bedford Row
London WC1R 4JS