

Manfred HAFNER

*Professor of Energy Economics and Policy
Energy Strategy Consultant for Companies and Governments*

manfred.hafner@gmail.com

WORK EXPERIENCE :

27 years international working experience in energy

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- Since 1995: **Professor:** Lecturing post-graduate Master and Executive MBA courses in international relations and energy: energy economics, energy policy/geo-policy incl. oil & gas/electricity/renewable energy & decarbonisation at:
- **Johns Hopkins University - School of Advanced International Studies (SAIS Europe)**, Bologna: Adjunct Professor of International Relations, since 2010
 - **Sciences Po Paris - Paris School of International Affairs (PSIA)**: Adjunct Professor, since 2011 and he also regularly teaches/taught at the:
 - **Geneva Graduate Institute of International and Development Studies**: Oil&Gas Leadership ExecEd, since 2011
 - **Skolkovo Moscow School of Management**: BP Professor, Executive MBA program, from 2011 through 2013
 - **College of Europe** (Bruges, Belgium) for the **Diplomatic Academy of Armenia**, Yerevan: since 2010
 - **Diplomatic Academy of Azerbaijan, ADA University**, Baku: since 2013
 - **Florence School of Regulation (European University Institute)**: since 2009
 - **HEC Paris (Hautes Etudes Commerciales, Paris)** : from 2001 through 2007
 - **International Academy of Business**, Almaty, Kazakhstan: from 2001 through 2011
 - **Mines-ParisTech (Ecole des Mines de Paris)**: from 1997 through 2010
 - **IFP School (Institut Français du Pétrole et Energies Nouvelles)**, Paris: from 1995 to 2010
- Since 1995: **Senior Energy Consultant (Strategy advice)**: Europe, Middle East North Africa, Russia and CIS
- for international organizations (EC, WB, IEA, IGU, E8, G8, GCC, ...),
 - for governments and govern. agencies (French, Italian, Belgian, Russian, Turkmen, Kazakh, Saudi Arabian...),
 - for major energy companies (BP, TOTAL, ENI, EDF, GDF-SUEZ, Fluxys, Electrabel, Sonatrach, Rasgas...);
 - Strategy and Policy advice for decision makers in industry, national Ministries and internat. Organizations
 - Coordinated large research projects of several million Euros and some 10-15 organizations for the EC
 - Directed, coordinated and carried out research studies on energy supply/demand scenario building (including technological, economic, financial, geopolitical, and policy analysis), worked on oil, natural gas, power generation, renewable energy, energy efficiency, environmental sustainability;
 - Worked closely with governments, international organizations and energy companies and developed good understanding of political and industrial/commercial approaches;
 - Organized major high level conferences (with the European Commission, World Bank, Governments)
- Since 2008: **International Energy Consultants (IEC)**, Energy Strategy Advisory, Waterloo, Ontario, Canada
President for Europe, Middle East North Africa, Russia and CIS
- Since 2008: **Fondazione Eni Enrico Mattei (FEEM)**, Milan, Italy
Senior Research Fellow, co-ordinator of Energy Policy activities
- Since 2010: **Euro-Mediterranean Center on Climate Change**
Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Venice, Italy
Senior Scientist
- Since 2013 **Bocconi University, IEFÉ - Centre for Research on Energy and Environment Economics and Policy**, Milan, Italy
Associate Research Fellow, Natural Gas Markets
- 1991-2008: **Observatoire Méditerranéen de l'Energie (OME)**, Sophia-Antipolis, France
Think-Tank and Association of some 35 major energy companies operating in the Euro-Mediterranean region
- 2001-2008: **Scientific Director**
 - 1994-2001: **Scientific Manager, Natural Gas and Electricity**
 - 1991-1994: **Analyst, Natural Gas and Electricity**
- 1982-91: Trainee-programmes for a total of over 3 years in energy engineering and economics in:
- USA (JP Industries), -France (TOTAL and INSA), -Belgium (Von Karman Institute),
 - Germany (BMW and L'Orange), -Austria (TIWAG), and -Italy (OMC)

EDUCATION : *energy economics, energy policy, energy engineering, business management*

- 1994: **Doctorate (PhD)** in "**Energy Science and Economics**" with "*Summa cum Laude*" at the
- **Mines-ParisTech - Ecole des Mines de Paris** (*Energy Science Department*) and the
 - **Institut Français du Pétrole – IFP School** (*Center for Economics and Management*), Paris, France.
- Subject: "Natural Gas and Power Generation: Technological and Economic Analysis of Power Generation and Gas Transportation for the Countries of the Mediterranean Basin", published by Technip, 1995.
- 1989-90: **Master of Science (MS)** in "**Energy Management and Policy**":
- **University of Pennsylvania** (*The Energy Center and The Wharton School*), Philadelphia, USA
- 1989-90: **Diplôme d'ingénieur** (MS degree) in "**Economics and Business Management**"
- **Institut Français du Pétrole et Energies Nouvelles (IFP School)**, Paris, France
- 1990: **Graduate diploma** in "**Energy Economics**": (*Diplôme d'Etudes Approfondies (DEA) equivalent to a MA degree*)
- **Université Paris-2 (Panthéon-Assas), Université de Bourgogne and IFP School**, France
- 1982-88: **Diplom-Ingenieur** (MS degree) in "**Mechanical Engineering: Energy and Power**":
- **Technische Universität München**, Germany

LANGUAGES

speaks 6 major languages

- **German:** Native language
- **Italian:** Native language
- **English:** Excellent: perfect command in writing, reading and speaking
- **French:** Excellent: perfect command in writing, reading and speaking
- **Spanish:** Proficient (University of Salamanca's proficiency, grade: 9/10)
- **Russian:** Advanced (total of 14 months at the St. Petersburg State University: 2000-07)

OTHER

Member of high-level energy networks

- Member of the high-level EU-Russia Gas Advisory Council set up by European Commissioner Günther Oettinger and Russian Federation Energy Minister Sergey Shmatko, now Minister Novak (since 2011)
- Member of the EU-GCC Clean Energy Network financed by the European Commission (since 2009)
- Member of the Advisory Board of the European Energy Journal (since 2012)
- Vice-President of the International Gas Union Working Group "World gas supply and demand 2030" (2006-2009)
- Author and co-author of many articles and studies as well as some books on energy policy and economics presented in leading international congresses and published in renowned journals.

Recent books:

- "Globalisation of natural gas markets" with Claeys&Casteels, Fall 2013 (co-author: Simone Tagliapietra)
- "EU Energy Innovation Policy Towards 2050", Claeys&Casteels, 2012 (co-author, editors J-M.Glachant et al.)
- "New EU Gas Security of Supply Architecture", Claeys&Casteels, 2012 (co-authors: Glachant, de Jong, Tagliapietra).

NARRATIVE BIOGRAPHY

Manfred Hafner is Professor of international energy studies teaching at the Johns Hopkins University (School of Advanced International Studies – SAIS Europe) Bologna Center, at Sciences-Po Paris School of International Affairs (PSIA), and (as a BP-Professor) at Skolkovo Moscow School of Management. His two main courses he presently lectures are “Politics and Economics of International Energy” and “Decarbonisation Scenarios and Renewable Energy Sources”. He is moreover regularly invited to lecture in many world renowned Universities and addresses major energy conferences.

He also coordinates energy policy activities at the Fondazione Eni Enrico Mattei (FEEM), is associate research fellow for natural gas markets at the Centre for Research on Energy and Environment Economics and Policy (IEFE) of the Bocconi University, is Senior Scientist at the Euro-Mediterranean Center for Climate Change (CMCC), and is Executive President for Europe, MENA, Russia and CIS at International Energy Consultants (IEC) as well as President and CEO of HEAS, an energy consultancy (strategy advice). He was for many years the Scientific Director of the Observatoire Méditerranéen de l’Energie (OME).

Prof. Hafner extensively consulted on energy issues for governments, international organizations (EC, WB, IEA...) and industry, and has in particular coordinated several major interdisciplinary research projects for the European Commission. Moreover, he is presently Member of the high-level EU-Russia Gas Advisory Council set up by EC Commissioner Oettinger and Russian Energy Minister Shmatko (now replaced by Minister Novak), and is Member of the EU-GCC Clean Energy Network. He also consulted for the Minister of Economics and Planning of the Kingdom of Saudi Arabia in view to set up the latest five-year plan of the Kingdom.

During his over 25 years working experience, Dr. Hafner has directed, coordinated and carried out many consulting and research activities on energy supply/demand scenario building (including technological, economic, regulatory, financial, geopolitical, and policy analysis), he has worked on a large number of diversified energy topics including oil, natural gas, power generation, renewable energy, energy efficiency, environmental sustainability, etc. He has in particular an extensive working experience in Europe, MENA and Russia/CIS.

He in particular directed, and carried out, many large EC financed projects on international energy cooperation among which MEDSUPPLY, ENCOURAGED, SECURE, POLINARES, MEDPRO and others.

One of the main areas of interest of Prof. Hafner are international natural gas markets on which he consults extensively for companies and Governments. His latest book in this respect, “Globalisation of natural gas markets”, was published late 2013 with Claeys&Casteels.

Dr. Hafner holds master degrees in engineering, economics and policy from the Technische Universität München (Germany), the Institut Français du Pétrole (France), the Université Paris2/Panthéon Assas (France) and the University of Pennsylvania (USA), as well as a PhD (obtained with *summa cum laude*) from the Ecole des Mines de Paris (Mines ParisTech).

He speaks fluently English, German, French, Italian, Spanish and Russian.