

FIDIC Business Days

**Georgian Infrastructure
with FIDIC Knowledge**

**Tbilisi, Georgia
29 - 30 June 2017**

**ENRICO VINK
MANAGING DIRECTOR
FIDIC**



ACEG
ASSOCIATION OF CONSULTING ENGINEERS GEORGIA



FIDIC Business Days

Georgian Infrastructure with FIDIC Knowledge
Tbilisi, Georgia, 29-30 June 2017

Place & Role of Consulting Engineers

- Yesterday
- Today
- Tomorrow



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Place & Role of Consulting Engineers

- Yesterday
 - Trusted advisor - respected
 - Highly professional
 - Independent
 - Integrity



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Participants in the 1914 Congress in Berne. Eighteen of the gentlemen mentioned in this History of FIDIC are identified on the photograph as follows: 1 Nagtglas-Versteg, 2 Blochmann, 3 Forssell, 4 Neeser, 5 Flesch, 6 de Grobert, 7 Fono, 8 Lebeau, 9 Roux, 10 Robert, 11 Gnoinski, 12 Leneveau, 13 Prangey, 14 Mathot, 15 Leroux, 16 Couturaud, 17 Masson, and 18 Frandsen.

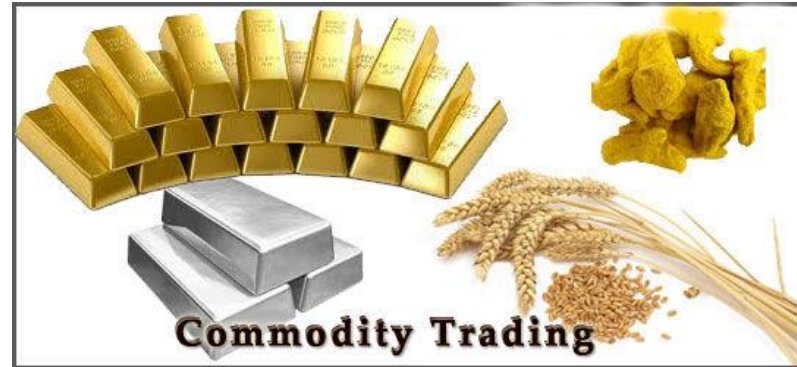


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Place & Role of Consulting Engineers

- Today
 - Designer,
 - Technical expert
 - Engineering focus
 - Commodity?
 - Short supply?





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Place & Role of Consulting Engineers

- Tomorrow
 - Trusted advisor
 - Procurement & Investment Strategist
 - Multi-disciplinary expert
 - Innovator
 - LCC considerations



These challenges are not new, but still actual:

- Creating a substantial brand for our industry globally – define who we are and the value we bring – defend the brand
- Increasing demand in terms of infrastructure development with larger and more complex projects
- Reducing the risks for the industry, the clients and society in cost based procurement
- Fighting corruption to increase the effective benefit from infrastructure spending
- Ongoing pressure from clients to do more with less, faster and more cost effectively



In a fast changing world, our industry is confronted with some new challenges:

- Slow growth: maintaining our industry in a world troubled by geopolitical and economic re-balancing
- Sustainability & climate change: equipping our industry to reduce and mitigate climate change impact
- New technologies: what is their impact (BIM, collaborative work, big data, block chain technology, IoT...)?



In a fast changing world, our industry is confronted with some new challenges:

- New business models: is our industry on the verge of major disruption like other industries (banks, hospitality...)?
- Consolidation: consequences of the trend towards mega firms
- New delivery methods, such as PPPs, PFIs, Alliancing...
- Competitive threats and increasing protectionism





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Place & Role of Consulting Engineers

- Quo Vadis? Where to?
 - FIDIC, & MAs strive to offer more
 - Guidelines
 - Assistance
 - Training

Global Procurement Reforms – Major Focus

EU Directives – EFCA
World Bank – global leader
FIDIC – global voice – best practice
Impact on global procurement
Borrower development
Alternative Procurement Applications

Best Practice Principles

Green procurement
Integrity
Sustainability
Capacity building
Standard bidding documents – FIDIC?





FIDIC publishes internationally recognised forms of contract for infrastructure works.

More than 40,000 copies supplied each year



FIDIC Integrity Management System (FIMS)

- Guide
- Training Kit
- User Survey
- User Forum



Government Procurement Integrity Management System (GPIMS)

- Draft Guidelines

Business Practice

- Code of Ethics
- Policies
 - Conflict of Interest
 - Anticorruption

Model Representative Agreement



Project Sustainability Management

Guide to the principles of sustainable projects using recognised indicators

UN Partner on Future Cities

Business Tools

Tools to define priorities and make informed decisions on:

- Economic factors
- Social factors
- Environmental factors
- Comprehensive guide to rating systems
- PS Logbook



The Business of a Consulting Engineering Firm

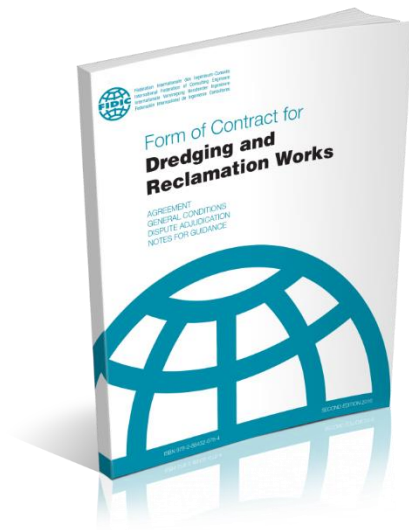
Key Modules:

- Organisation
- Business Development
- Procurement
- Sustainability
- Risk
- Quality
- Integrity

Build the Brand of the Consulting Engineer

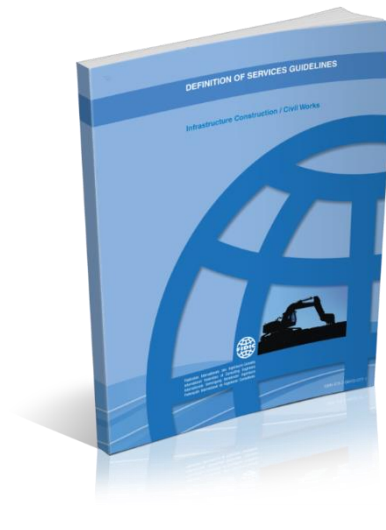


New publications released in September 2016



**Form of Contract for Dredging
and Reclamation Works**

In the pipeline??



**Definition of Services
Guidelines – *Infrastructure
Construction/Civil Works***



New Agreements published February 2017:



Model Services Agreement



Sub-consultancy Agreement



Joint Venture Agreement

New contract model endorsed by contractors



FIDIC State of the World Reports Water Challenges

FIDIC examines some of the world's most challenging issues, which the engineering community can help address.

Next target?

Energy.....



Keep the CE industry's concerns on the agenda



Regular meetings as the industry's voice

The World Bank	WB
Asian Development Bank	ADB
European Bank for Reconstruction and Development	EBRD
Inter-American Development Bank	IADB
African Development Bank	ADB
Islamic Development Bank	IDB

Strategic partnerships

Joint activities to develop business practice

International Standards Organization	ISO
International Labour Organization	ILO
World Federation of Engineering Organizations	WFEO
United Nations Environment Program	UNEP
Confederation of International Construction Associations	CICA
Transparency International	TI
Federation of Consultants from Islamic Countries	FCIC
Organisation for Economic Co-operation and Development	OECD



Business Practice Training Manual

- Training modules with resource kits
- Applicable in developed and developing countries

International Training Programme

- Events co-organised with Member Associations
- Based on Guide to Practice manuals

Accredited Trainer Development Programme

- Trainers available locally and international
- International standards

Training Suppliers

- Recognised Programmes
- Accredited Training Suppliers





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Place & Role of Consulting Engineers

- Summary
 - Global and National Voice important
 - Speak Up and Speak Out – tell the CE story
 - Become more involved
 - Quality of life – Our Responsibility

2017
Young Professionals
Management
Training
Programme

February to September



“Resilient Infrastructure – Improving Life”



Jakarta

FIDIC 2017
INTERNATIONAL
INFRASTRUCTURE
CONFERENCE

1-3 OCTOBER 2017

Save The Dates !

