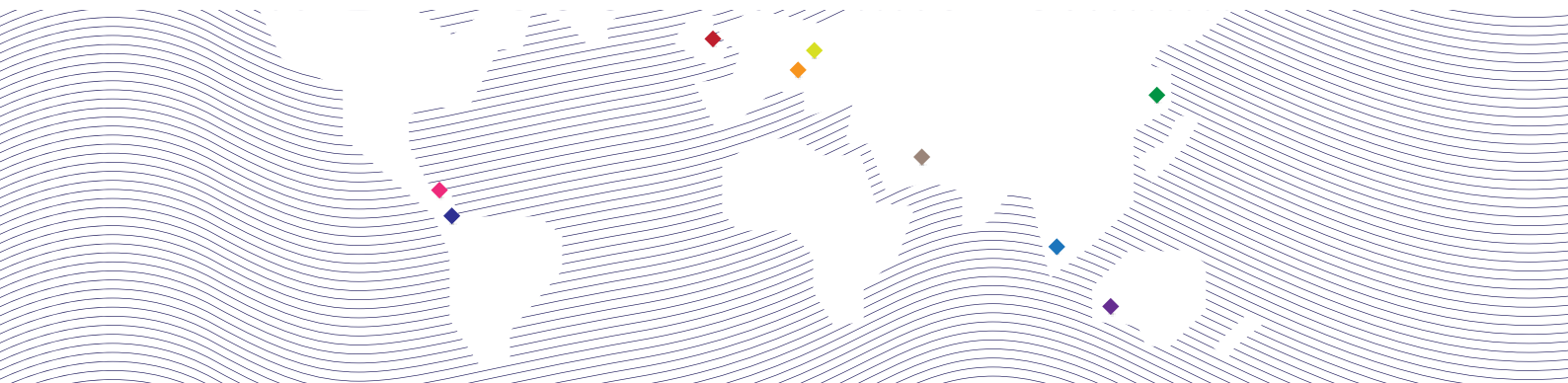
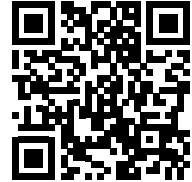


# Attila Fustos

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Date of birth: 1978  
Nationality: Hungarian  
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## WORK EXPERIENCE

- Tony Gee and partners** 10/2014-  
**Principal Engineer, United Kingdom** - Structures Department
- Samsung C&T** (Construction and Trading) 2 years - 1/2012-1/2014  
**Manager, HQ, Seoul, South Korea** - Engineering centre, **Road and Railroad team**  
Samsung C&T, an affiliate of the Samsung Group, focuses on global construction projects  
Revenue \$3.5bn, ENR Top International Contractors rank: jump from 63 (2012) to 36 (2013)
- Successful bid** and after execution of a **\$5.6bn development** (300 km+ railway line, mine, port)  
Liaise with clients, partners, contractors on site by **relocating** to **Australia, UAE and Singapore**  
Value engineering and technical support of civil projects in **HK, Vietnam, Turkey and Korea**
- Gap year living in Mexico and Guatemala 15 months - 10/2010-1/2012  
I obtained a high level of **fluency in Spanish** which can be put to good use in the workplace
- Mott MacDonald** Group Limited 2.5 years - 3/2008-10/2010  
**Chartered Bridge Design Engineer, HQ, London, UK** - Metros & Civil Division, **Bridge Department**  
London based international consulting firm - in 50 countries, 14.000+ employees
- Design, independent check and assessment of structures in **London (Crossrail), UK and UAE**  
Including group of 80m span arch road and rail bridges, jetty structure on the Thames  
Quality, Environment and Safety (QES) Management System Representative
- Fomterv Ltd. ~4 years - 7/2004-3/2008  
**Bridge Designer Engineer, Budapest, Hungary** - Department of Bridge Engineering  
**Market leader** civil engineering consulting company in Hungary - 400+ employees
- Project management and site representative on construction of bridges and metro stations  
Design including **312m span world record holder** arch bridge construction and transportation

## PROFESSIONAL STATUS

Chartered Engineer and **Member of the Institution of Civil Engineers** (CEng, **MICE**)  
Member of the European Federation of National Engineering Associations (Eur Ing)

## EDUCATION

- Budapest University of Technology and Economics, Hungary** 6.5 years - 1998-2005  
Faculty of Civil Engineering, **Structural engineer, MSC**
- Corvinus University of Budapest, Hungary,** 6 years - 2000-2006  
Faculty of Business Administration, **Management and Organization, MSC**

## LANGUAGE CAPABILITY

English: fluent, Spanish: competent, Hungarian: mother tongue

## KEY ACHIEVEMENTS

**Over ten years' experience** in design, construction and university research. I contributed to a wide range of **major civil engineering infrastructure projects**, such as bridges, underground stations, ports, railways and mining developments. I gained strong international experience; for more than five years I lived overseas, in countries from four different continents. I truly enjoy learning through solving complex problems, alongside team members from diverse cultural backgrounds. **The challenge moves me forward.**

Currently I am principal engineer at an award winner consultant in the UK. I am responsible for the management of various civil engineering related design projects. I used to work as a manager based in Seoul HQ for Samsung. I was one among the very few selected foreigners. I supported **business development, bid proposal preparation, value engineering** and gave technical advice on major construction projects. I liaised with the client, authorities, designers and our joint venture partners **for overseas projects**. In many instances I was relocated to the country of the projects.

One of my significant achievements is **winning the Roy Hill Iron Ore project** for the company. I worked on this development from the beginning of the proposal stage until tender submission. This was the first construction project for the company in Australia. After our team **succeeded in the bid**, I was part of the early mobilization team, to set up the construction of the **\$5.6bn mining development contract**.

**Great vision ahead...**

## SPECIALIZATION

**Business development:** prequalification, bidding, tender documentation, liaise with partners and clients

**Engineering management:** project management on structural and general construction projects, British quality management system, joint ventures, design consultant management

**Design contribution:** from feasibility study to detailed construction design, assessment and strengthening

**Structure types, construction processes:** underground stations, steel arch bridges, integral bridges, post-tensioned concrete bridges, prestressed beam - concrete composite bridges, steel girder - concrete composite structures

**Carried load types:** pedestrian, road vehicles, heavy and light rail, special industrial loads

**Special design expertise:** bridge lifting and transportation, pipe-jacking, hydraulic bed bridge lifting, incremental launching girder technique, top-down construction method for underground station construction (Milan method), bridge load test calculation, strain gauges, cable stressing process calculation, scaffolding and temporary work for bridge construction

**Computer skills:** various engineering applications, computer programming C++ and other computer languages, MS Office with Visual Basic programming

**Codes and Standards:** British Standard (BS), Standard of American Association of State Highway and Transportation Officials (AASHTO), Australian Standard (AS), Singapore Standard, Eurocode (EC)

## PUBLICATIONS

Nasztanovics F., Füstös A., Sapkás Á., Nagy Zs. and Horváth A.: **Sensitivity analysis of Pentele bridge, Journal article (Hungarian)**, Építés-építészettudomány, pp. 103-117, 2008, DOI: 10.1556/EpTud.36.2008.1-2.5

Horváth A., Füstös A., Nagy Zs., Nasztanovics F., Sapkás Á.: **Erection of Dunaújváros Danube Bridge**, IABSE Symposium on Responding to Tomorrow's Challenges in Structural Engineering, Budapest, 13-15 September 2006.

Nasztanovics F., Füstös A., Bojtár I.: **Strength analysis of brain aneurysm**, In: I. Hungarian Conference on Biomechanics, pp. 303-313, Budapest, 11-12 Jun 2004.

Bojtár I., Nasztanovics F., Füstös A.: **FEM analysis of brain aneurysm**. IX. MaMeK, Hungarian National Conference on Mechanics, Miskolc, 27-29 August 2003.

Füstös A., Nasztanovics F.: **Analysis of dental implants under dynamic loads**. Institute of Computer Methods in Civil Engineering - Seminar, Cracow, 8 November 2001.

## DETAILED EXPERIENCE RECORD, ROLES AND RESPONSIBILITIES

Position	Project	Date	Value or typical information	Responsibility
<b>Samsung C&amp;T Manager</b> Civil Engineering Centre, Road and Railroad Team, Seoul, South Korea, 1/2012-1/2014	Roy Hill Iron Ore Project, Perth, Western Australia	6-7/2012, 1-2/2013, 4-5/2013, 7-/2013	Over \$5.6 bn project including mine site and port site facilities and 300 km railway line	Bidding preparation, coordinate with client, subcontractors in Perth Following the successful contract award supporting the start-up, early mobilisation team and construction preparation from the HQ in Seoul and later with long term mobilisation to Western Australia
	Etihad Rail, UAE	9-11/2012	\$1 bn, 360 km railway line through desert area in the UAE	Supporting the tender, manage the design and subcontractors, cooperate with the client by relocation to Abu Dhabi, UAE Negotiation with Italian and local joint venture partners
	SLNG Project, Jurong Island, Singapore	3-4/2012	Secondary and tertiary jetty platform construction for the new SLNG terminal	Relocation to Singapore site, liaise with subcontractors and the client, preparation of the construction of jetty and port structures
	Abott Point Project, Australia	5-6/2012	Port side facilities for the mining project	Structural analysis for tunnels and jetty for ECI stage of the project
	Hong Kong Metro, Hong Kong	5/2012	Underground station construction noise enclosure roofing,	Structural check and technical support for the site construction
	Palu - Genc - Mus railway, Turkey	1-3/2012	Construction work of railway relocation (66 km) Tender phase construction of bridges and viaducts (no 42)	Technical consultation for bid preparation, method statements for bridge constructions
	Son Duong Port project, Vietnam	6/2013	Wharf and Breakwater construction	A gantry slip-form for a heavy precast element construction structure; structural review and technical support
	Tunnelling project, Doha, Qatar	5/2013	Construction of a project over a \$1.0 bn	Preparation of prequalification questionnaire for design
	STEP Strategic Tunnel Enhancement Program, UAE	7/2012	Deep-level sewage interceptor tunnel, \$1.6 bn, contract T01, 16.1 km section	Review and technical consultation on an alternative protection lining (tunnelling) design system
	Seoul Metro line 9, South Korea	8/2012	TBM launching pad for new underground line construction	Structural check of the TBM launching pad
	Incheon Metro Lot#213, Korea	4/2012	Underground station	Technical assistance on temporary works
<b>Mott MacDonald Ltd.</b> Chartered Bridge Design Engineer, Bridge Department, London, 3/2008-10/2010	Highway, UK	3/2013	£ 500 m, build, finance, operate and maintain infrastructure	Bid/no-bid preparation support
	Quality, Environment and Safety (QES) Management System Representative, Bridge Department	12/2009-10/2010	QES for approximately 70 staff members and 50 on-going projects	Working with the division manager, acting as the focal point in the coordination of activities related to the implementation and maintenance of the company's QES system
	Pudding Mill Lane, Crossrail, new underground line, London	9/2009-10/2010	19 m span bridges constructed for Crossrail in the city of London for heavy and DLR (Docklands Light Railway) rail	Designer of the bridges according to British and DLR standards, in accordance to the Crossrail project terms and condition
	Margit Bridge, Budapest	2-3/2009	Bidding for the historical bridge reconstruction in Hungary	Preparation of the bid document
	Accommodation Bridges, M4 Highway, UK	2-4/2009	Series of 36 m span post-tensioned concrete accommodation bridges, constructed in 1970	Bridge assessment calculation and possible deterioration analysis according to the British Highway Agency design manual (BD)
	Boulevard Bridges, Al Raha, Abu Dhabi, UAE	8/2008-2/2009	12 pieces of independent 80 m long span network arch road and light railway bridges above a channel	Independent design check with the application of the American Association of State Highway and Transportation Officials (AASHTO)
	Belvedere Access Bridge, on the bank of the Thames, London, UK	5-8/2008	7 span, 115 m continuous concrete composite bridge structure in maritime area with industrial traffic	Design of the bridge according to the British Standard (BS)
	Ryde Pier, Isle of Wight, UK	3-5/2008	120 m multispan concrete railway approach bridge, constructed in the early 19th century	Structure assessment and strengthening report according to BS

Position	Project	Date	Value or typical information	Responsibility
Fomterv Ltd. Bridge Department, Bridge Design Engineer Budapest, 7/2004-3/2008	Fovam underpass, Budapest, Hungary	9/2007- 3/2008	\$10.0m, underpass and junction reconstruction connecting different level tram lines, next to historic river bridge	Design of the structure and assisting the general project design manager, including site supervision and manage the stakeholders
	Újbuda-központ underground station, Metro 4, Budapest, Hungary	1-9/2007	18 m deep, 20 m wide and 130 m long box underground structure, construction type: top-down (Milan) method	Designer of the station and design assistant manager, site repre- sentative on behalf of the designer
	Bikas park station, M4, Budapest	9/2007	Half-cone shaped light weight steel roof structure	Feasibility study and design
	Dunakeszi bridge, Hungary	10/2007	26 m span, steel-girder concrete composite railway bridge	Bridge assessment and strengthening documentation
	Szolnok footbridge, Hungary	8-9/2007	200 m span length pedestrian river bridge	Feasibility study teaming with the architects
	Pentele river bridge on the Danube Dunaújváros, Hungary	8/2004- 7/2007	\$210m, main span: 312m, 50 m height, 43m width, 8600 tons, total length: 1682 m Its main span holds the world record, longest spanning Nielsen-Lohse type arch bridge The transportation (erection) of the main span was a unique engineering task on this scale Continuous multispans lunched box-girder approach bridge	Detailed design of the bridge from the beginning of the design until the road were open for transport: global and local structural analy- sis; transportation process, main span floating; cable stressing; construction modelling (BIM) Load test of the barges for the transportation process with strain gauges Project manager of the calculation team for the load test procedure
	M7 highway bridges, Hungary	3/2006	3 bridges 40 m span, highway bridges	Assessment of bridges
	Duna Tower underpass,	7-9/2006	20 m length, 4 m x 6 m section pipe-jacked precast tunnel	Tunnel concept design
	Esztergom-Sturovo River Bridge	9/2006	Main span: 250 m, country border bridge	Feasibility study, concept design competition, 3D modelling
	Szolnok-Mezotur railway	3-5/2005	12 m x 6 m railway underpass, European Union project	Detailed design of the underpass tunnel
	M7 highway bridge	7-9/2004	40 m span, concrete composite deck accommodation bridge	Bridge design and CAD detailing
Gedeon Richter Plc	Summer placement, Cadet engineer	7-8/2003	Factory refurbishment projects, 4 projects, total \$80,000	Cost estimation, tendering, project management, site representative
Stusoft Hungary Ltd	Mesh generation programming	7-10/2002	Mesh algorithm for a Finite Element (FEM) program	C++ programming a special feature for the software
Technical University of Budapest	Strength analysis of brain aneurysm	9/2002- 10/2004	Coupled (mechanical-flow) 3D FEM analysis	Research team member
	CEEPUS Scholarship, Cracow, Poland	10-11/2001	Research study at the Institute of Computer Methods in Civil Engineering Department on dental implants	Research team member
	Analysis of dental implants	9/2000- 9/2002	Material and support condition nonlinearity, 3D analysis	Research team member
	Stress distribution around an elliptical hole	10/1999- 9/2000	Research study on different techniques: analytical, FEM, Distinct Element Method (DEM) solutions	Research team member