

Press Release: 3 Nov 2011. For Immediate Release.

## **BUILDING THE BEWILDERING**

- **1:One | Computational Geometry** (Frankfurt | London) specializes in delivering custom computational solutions for complex architectural design projects
- **PROJECTS** include the Elbphilharmonie Hamburg (by Herzog & de Meuron) and the Louvre Abu Dhabi (by Ateliers Jean Nouvel)
- **LECTURE** held by Benjamin S. Koren, Managing Director, on Friday 11 Nov 2011, 6.30pm, at the Architectural Association School of Architecture, Lecture Hall, 36 Bedford Square, London, WC1B 3ES, himself an alumni of the AA. The lecture will be posted online at the AA website ([www.aaschool.ac.uk](http://www.aaschool.ac.uk))

**1:One | Computational Geometry endeavors to bridge the gap between traditional craftsmanship and state of the art computational techniques towards the realization of complex architectural projects. Its main office, centrally located in Frankfurt, Germany is integrated into a network of highly skilled cooperative manufacturing firms.**

**A prerequisite that allows the company to execute its core area of expertise – the analysis, preparation, process automation and optimization of design data – securing a smooth transition into the realization of highly bespoke, complex architectural projects.**

Reference projects include the realization of the acoustic inner skin of Herzog & de Meuron's Elbphilharmonie in Hamburg, where 1:One is responsible for the computational translation and generation of the architects design for 6000m<sup>2</sup> of sound-diffusive acoustic surface pattern as well as the 1:1 realization of approx. 10.000 unique acoustic panels by order of the manufacturers. Further, 1:One developed and realized prototypes for Ateliers Jean Nouvel's Louvre Abu Dhabi – a geometrically complex light testing device made of steel and aluminum, consisting of 15.000 non-standard elements.

Benjamin S. Koren, Managing Director and founder of 1:One | Computational Geometry, will hold a lecture at the Architectural Association in London on Friday 11 Nov 2011, 6.30pm, where he will present a cross-section and detailed account of the projects and working methods of the office.

## **Press information**

- For high resolution images, press releases and further information please contact Benjamin S. Koren: +49 171 473 6592, [koren@1-to-one.com](mailto:koren@1-to-one.com).
- For further information on 1:One | Computational Geometry, please visit [www.1-to-one.com](http://www.1-to-one.com)

**ENDS**

## NOTES TO EDITORS

### Company Profile

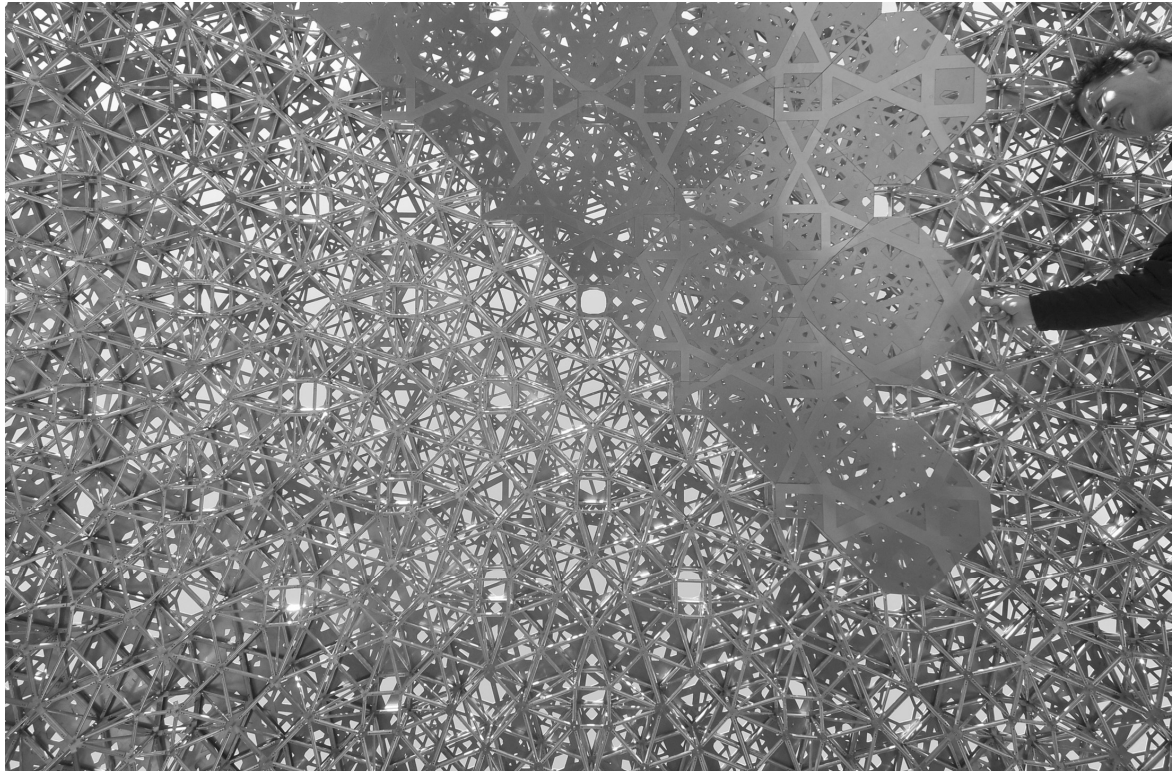
**1:One | Computational Geometry** specializes in delivering custom computational solutions for complex design projects at all scales. With the aid of advanced computational techniques, custom algorithms and software programs, 1:One | Computational Geometry offers consultancy services during design stage, as well as programming and modeling services during the realization of projects. By utilizing parametric techniques for non-standard geometries, and developing automation and optimization algorithms that are fully integrated into the computer aided manufacturing process - projects can be realized faster, more reliable, with greater precision and at a reduced cost.

1:One | Computational Geometry's main office is centrally located in Frankfurt/Main, Germany, wherefrom it can draw on an ever increasing network of specialized, high-tech manufacturing firms within the heart of Europe. 1:One's London office maintains close relationships with leading architectural offices.

### Biography

**Benjamin S. Koren** was born in Frankfurt/Main and grew up in Miami, Florida. An avid, autodidactic programmer since learning how to code in BASIC at age 5 on his Commodore 64, he studied architecture, film and jazz piano at the University of Miami and the Architectural Association in London, at which he was awarded a Bronze Medal commendation, an SOM fellowship and the iGuzzini Award at the 2005 RIBA President's medals for his project entitled "Harmonic Proportion in Amorphic Form". He went on to work as a programmer for the Advanced Geometry Unit at Arup in London and for Herzog & de Meuron in Basel and Hamburg. He is the founder and Managing Director 1:One | Computational Geometry.

**ENDS**



**Louvre Abu Dhabi Prototype**

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**Portrait Benjamin S. Koren**

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**END TO ALL**