



## Autodesk Presents Revit BIM Experience Award to SENER Engineering and Technology Group

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Firm Honored for Use of Building Information Modeling for Civil Engineering, Structural Design and Analysis

SAN RAFAEL, Calif., Sept. 11 /PRNewswire-FirstCall/ -- Autodesk, Inc. (<http://www.autodesk.com/pr-autodesk>) (Nasdaq: ADSK) today announced that SENER, an engineering and technology group based in Bilbao, Spain, has been selected to receive a Revit BIM Experience Award (<http://www.autodesk.com/pr-bimexperienceaward>). The firm is being honored for its advanced use of the Revit software platform for building information modeling (BIM) in conjunction with other BIM solutions including AutoCAD Civil 3D software (<http://www.autodesk.com/pr-civil3d>) and Autodesk Inventor (<http://www.autodesk.com/pr-inventor>) software. The award also recognizes SENER's integrated use of Revit Structure (<http://www.autodesk.com/pr-revitstructure>) software with Autodesk's recently acquired ROBOT Millennium (<http://www.robobat.com/n/en/262>) software for structural analysis, as well as the use of Autodesk 3ds Max (<http://www.autodesk.com/pr-3dsmax>) for visualizations.

"BIM is greatly improving collaboration between the different disciplines involved in our building and infrastructure projects," said Ramon Jesus Gonzalez-Marquez, manager of architecture for SENER. "With a model that's always up-to-date and consistent we catch interferences and errors early in the design process. We've also found that using the Revit and Civil 3D for BIM gives us a competitive advantage."

SENER is an international engineering and technology group founded in Bilbao, Spain in 1956. The firm has 12 offices worldwide, including Spain, Poland, Argentina, Mexico, Portugal, Japan and, most recently, the United States, Algeria and United Arab Emirates (UAE). With a workforce of more than 4,500 professionals, SENER provides engineering and consultancy services for a broad range of industries including space, aeronautics and vehicles, power and process, actuation and control systems, marine, and civil engineering and architecture. SENER has also been awarded with the Premio Principe Felipe a la Innovacion Tecnologica, the most prestigious prize given by the Spanish Ministry of Industry, in recognition for its innovative activities in all the fields where the company is involved. Demo Arquitectura (Madrid, Spain) provided Revit software platform training and implementation support.

SENER has demonstrated exemplary use of the BIM process on a number of projects including the La Segrera Train Station in Barcelona, Spain and the new soccer stadium for the city of Krakow, Poland, awarded to the Spanish consortium formed by Estudio Lamela and SENER. To preserve views of Krakow's city skyline for fans attending daytime events the SENER team first used Revit Architecture (<http://www.autodesk.com/pr-revitarchitecture>) to create a 3D model of the stadium and then employed Autodesk Inventor (<http://www.autodesk.com/pr-inventor>) to design a retractable lighting system. AutoCAD Civil 3D (<http://www.autodesk.com/pr-civil3d>) was used to model the existing site topography and to calculate the amount of excess earth that will have to be hauled offsite during the demolition of the current stadium. To effectively communicate the stadium's design for client and team reviews, Autodesk 3ds Max (<http://www.autodesk.com/pr-3dsmax>) was used to create photorealistic renderings of the model. When faced with a fast-track schedule to complete the new 300,000 square meters La Segrera Train Station by 2012, the SENER team used Revit Structure (<http://www.autodesk.com/pr-revitstructure>) in combination with ROBOT Millennium (<http://www.robobat.com/n/en/262>) analysis software to eliminate redundant modeling for design and structural analysis.

### About BIM

BIM is an integrated process built on coordinated, reliable information about a project from design through construction and into operations. By adopting BIM, architects, engineers, contractors and owners can easily create coordinated digital design information and documentation; use that information to more accurately visualize, simulate and analyze performance, appearance and cost; and reliably deliver the project faster, more economically and with reduced environmental impact.

### About the Revit BIM Experience Award

The Revit BIM Experience Award celebrates building industry professionals and educators around the world who are helping to transform the building industry through building information modeling. Autodesk honors firms with this award for innovation and excellence in implementing the Revit platform (including Revit Architecture (<http://www.autodesk.com/pr-revitarchitecture>), Revit Structure (<http://www.autodesk.com/pr-revitstructure>) and Revit MEP (<http://www.autodesk.com/pr-revitmep>) software applications) for building information modeling on one or more projects. Details of winning projects are available at Revit BIM Experience Award site (<http://usa.autodesk.com/adsk/servlet/index?siteID=123112&id=9970998>).

### About Autodesk

Autodesk, Inc. (<http://www.autodesk.com/pr-design-innovation>), is the world leader in 2D and 3D design software for the manufacturing, building and construction, and media and entertainment markets. Since its introduction of AutoCAD software in 1982, Autodesk has developed the broadest portfolio of state-of-the-art Digital Prototyping solutions to help customers experience their ideas before they are real. Fortune 1000 companies rely on Autodesk for the tools to visualize, simulate and analyze real-world performance early in the design process to save time and money, enhance quality and foster innovation. For additional information about Autodesk, visit <http://www.autodesk.com>.

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