

BAEC/InnovANCE

Customer Success Story

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Our work with the Revit suites is vital to making our industry and designs more efficient, sustainable, and competitive.

—Alberto Pavan  
Senior Partner, BAEC  
Vice President and Scientific  
Coordinator, InnovANCE Project

# Networking construction.

Italy's ANCE association uses Autodesk BIM technology to help unite the country's construction industry.



## Project Summary

Alberto Pavan is nothing if not multitalented. An architect and senior partner at BAEC, an architecture, engineering, and construction consultancy and studio based in Milan, Italy, Pavan is also professor of engineering at Politecnico di Milano, the university where he completed his PhD.

It was through his studies at the Politecnico that Pavan came up with the idea of developing a comprehensive network of Italy's construction industry that would significantly improve energy and overall project efficiency while reducing errors and costs through expanded use of Building Information Modeling (BIM), with help from the AutoCAD® Revit® software suites from Autodesk.

Together with Piero Torreta, vice president of Italy's Associazione Nazionale Costruttori (ANCE), Pavan founded the InnovANCE project, where he now serves as vice president and scientific coordinator.

Currently, the InnovANCE project team consists of 15 major partners, including some of Italy's largest construction companies; three renowned

universities in Milan, Turin, and Naples; all national associations of creators of building components; and the national centers of research and electrical energy. Over the next three years, some 200 professionals will work exclusively on the project, which was awarded €8 million in government support, about half of its projected budget.

## The Challenge

Pavan's reasons for trying to unite and streamline Italy's architecture and construction industry are as practical as they are visionary. By improving communication between extended project teams through intelligent 3D models, he reasons, the conceptualizing and construction of buildings can be more accurate and efficient.

Fewer misunderstandings in the transmission of information mean fewer errors, lower costs, and less litigation. As Pavan stated, recent estimates indicate that typical communication errors can cost as much as €52 per square meter, no small sum on large projects.

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# The InnoVANCE project is poised to transform Italian building practices into a more efficient way of working.

“The InnoVANCE project is really the first database dedicated to uniting the Italian construction industry,” says Pavan.

“Our mission is to develop a comprehensive network of stakeholders in the building industry. By prototyping the nation’s building and construction projects digitally, we can minimize the design errors and misunderstandings that cost the Italian construction industry nearly €300 million each year. “

“The best way to do that is through Building Information Modeling, and a great way to do BIM is with Autodesk software.”

## The Result

In the coming years, InnoVANCE will rely heavily on Autodesk® software and Autodesk Consulting services to help integrate the new systems with project management software.

Through adoption of Autodesk® Ecotect® Analysis software together with AutoCAD® Revit® Architecture Suite, AutoCAD® Revit® Structure Suite, and AutoCAD® Revit® MEP Suite, Pavan foresees a more widespread use of BIM processes in Italy’s building industry.

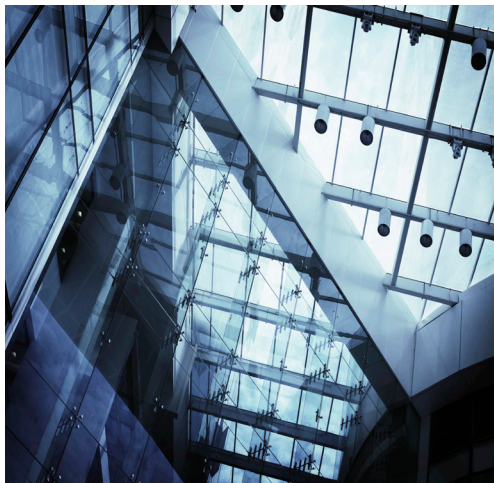
“Building Information Modeling is the only way to reduce and correct common misunderstandings that occur during the transmission of crucial information,” says Pavan.

“Autodesk software provides more global control of projects during all construction phases, and for later building maintenance,” says Pavan.

“Our work with the Revit suites is vital in helping to make our industry and designs more efficient, sustainable, and competitive. With help from Autodesk software and Autodesk Consulting services, the

InnoVANCE project is poised to transform the outdated vision of Italian building practices into a new and more powerfully efficient way of working.”

To learn more about Autodesk Consulting, visit, [www.autodesk.com/consulting](http://www.autodesk.com/consulting).



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