

## Innovation grant awarded to consortium of industry partners to streamline workflows for open source sustainability data administration in construction

[Padua, 20 maggio 2024] Version for partners

Cadline Software Srl, 888 Software Products Srl, Donadello & Partners Stp Srl, 3 Face Engineering Srl, have been awarded the iNEST - Interconnected Nord-Est Innovation Ecosystem fund for the development of interoperable digital solutions aimed at supporting the ecological and digital transition.

The project aims to provide tools based on the open IFC standard and open-source technologies for monitoring the environmental performance of buildings during the design, construction and management phases.

Among the consultants Parallab Srl, Dion Moulton, Thomas Krijnen, Carlo Pavan.

[Padua, May 20 2024] Version for BlenderBim Add-on and IfcOpenShell network

BlenderBim Add-on and IfcOpenShell will be part of a research program funded by Italian consortium iNEST - Interconnected Nord-Est Innovation Ecosystem featuring the participation of Italian companies Cadline Software Srl, 888 Software Products Srl, 3 Face Engineering Srl, Donadello & Partners Stp Srl. The project will implement open solutions to produce data and monitor the fulfillment of environmental and sustainability requirements of buildings.

Among project consultants Parallab Srl, Dion Moulton, Thomas Krijnen, Carlo Pavan.

### About iNEST ([www.consorziointest.it](http://www.consorziointest.it))

iNEST is a new model of Innovation Ecosystem: a network of Universities, Public Research Institutions, Territorial Institutions and Companies, active in technology specialization areas which are coherent with territorial industrial & research missions, to promote and strengthen cooperation among Research, Economic players and Institutions.

iNEST adds value to research outcomes, makes easier technology transfer and digital transformation of companies and related processes, taking care of economic and environmental sustainability and of social impacts.

iNEST model is based on the extensive use of information and communication technologies and digitization, and aims at the development of innovative technologies for people's well-being and the dissemination of culture and economic and entrepreneurial growth.

### About Cadline Software Srl ([www.cadlinesw.com](http://www.cadlinesw.com))

Cadline Software began its activity during the time of drawing boards, initially as a division of Bieffe s.p.a., a global leader in the sector. In 1993, Cadline became an independent company and joined the group of technical software companies. Over time, it has specialized in architectural design, constantly expanding its offerings and clientele, with a particular focus on managing existing

architecture. Today, Cadline offers a comprehensive range of services integrated with modern design tools and serves as a Certification Body for the professional certification of BIM figures. The company is involved in developing web-based solutions to meet the digitalization needs of the construction sector.

**About 888 Software Products Srl ([www.888sp.com/it](http://www.888sp.com/it))**

888 Software Products develops and markets highly specialized software solutions for the AEC sector, for public and private companies and for the advanced Tertiary sector.

888 Software Products offers a wide range of solutions, born from the multidisciplinary expertise acquired by its national and international experts, specifically in the context of consultancy and service development assignments for large private and public clients.

**About Donadello & Partners Stp Srl ([www.linkedin.com/company/donadello-partners-stp-srl](http://www.linkedin.com/company/donadello-partners-stp-srl))**

Donadello & Partners Stp Srl is an architectural firm specialized in restoration and conservation. D&P has and uses the most cutting-edge technologies for surveying, digitization and BIM modelling with particular reference to the field of cultural heritage, typically publicly owned.

The partner has taken part to technically very demanding projects for both private and institutional clients, for which it has followed every type of restoration, rehabilitation and conservation intervention throughout the national territory.

**About 3 Face Engineering Srl ([www.3face.it](http://www.3face.it))**

3FACE engineering Srl deals with the design of technological systems for construction. The services offered include disciplines relating to electrical, mechanical and special systems, energy analysis and efficiency, lighting and fire prevention design.

The company bases its operating method on BIM for mechanical and electrical plant systems and is aimed at a national and international market.

**About Parallab Srl ([www.parallab.com](http://www.parallab.com))**

Parallab is an innovative start-up and engineering company specializing in the digitalization of construction.

**About IFC ([www.buildingsmart.org/standards/bsi-standards/industry-foundation-classes/](http://www.buildingsmart.org/standards/bsi-standards/industry-foundation-classes/))**

IFC is the predominant format for exchanging BIM models in a vendor neutral format maintained by the buildingSMART organization. Being in use for several decades already it is supported in virtually all BIM authoring tools.

**About BlenderBim Addon ([blenderbim.org](http://blenderbim.org))**

BlenderBim addon is one of the first open source solution for authoring BIM models in the IFC format. It uses a NativeIFC paradigm by which it can losslessly enrich exiting models and make use of the full multi-disciplinary breadth of the IFC schema for authoring. It is being developed by Dion Moulit and an extensive open source community.

**About IfcOpenShell ([ifcopenshell.org](https://ifcopenshell.org))**

IfcOpenShell is one of the leading and most complete open source solutions for interacting with data in the IFC format. It offers an API in C++ as well as a high level API in the Python programming language. Originally started over 10 years ago by Thomas Krijnen.