piessepi

TECNOLOGIE ELETTRICHE

BIM

Building Information Model

BIM

Building Information Model

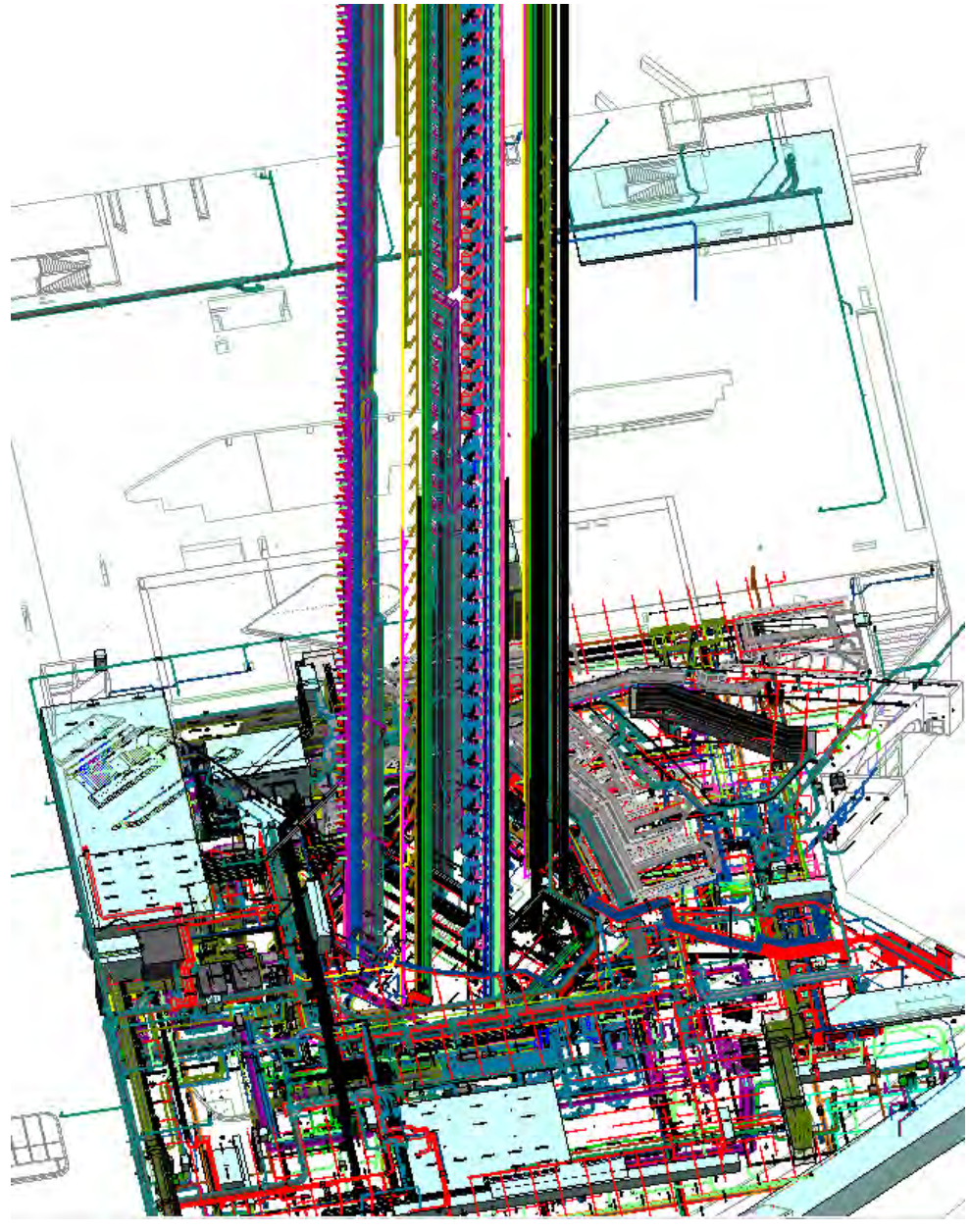
BIM, a Building Information Model, is revolutionizing the way of defining and managing projects.

This is not a simply 3D design software, but rather a process that simplifies collaboration among different project teams.
With BIM digital tools and high level technical services, you can access complete workflow solutions.

BIM IS MODIFYING ALL BUILDING'S SECTOR

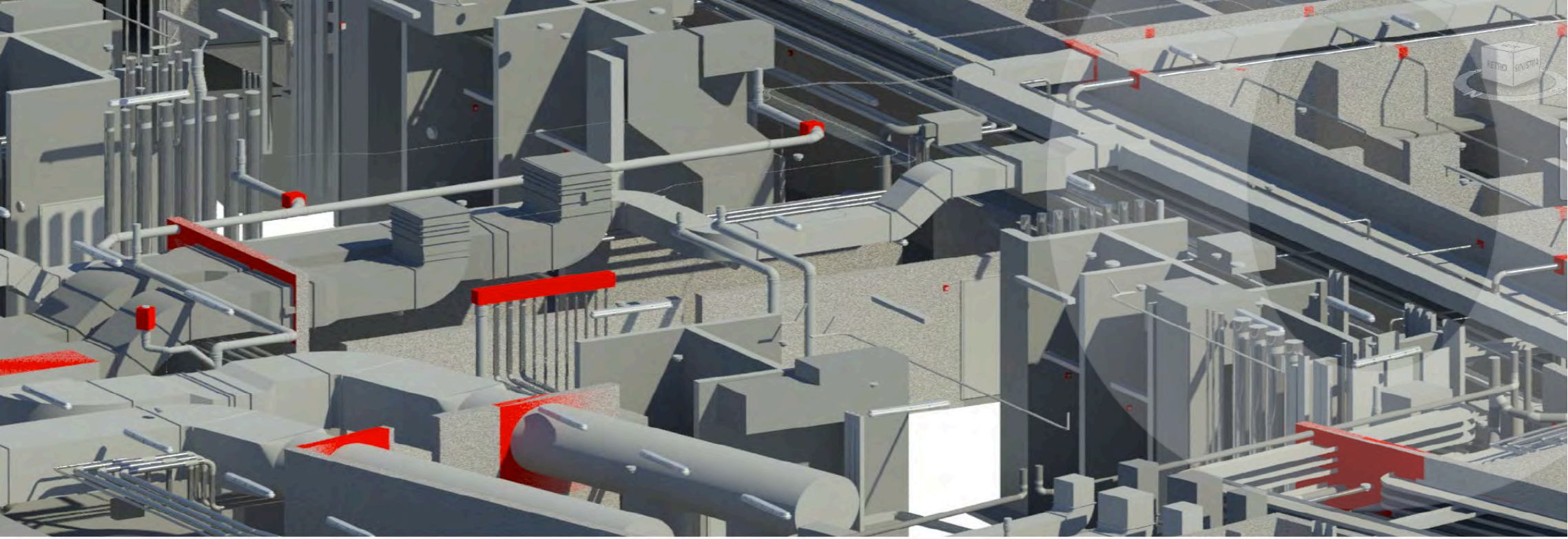
With BIM, together with plant design, is possible to:

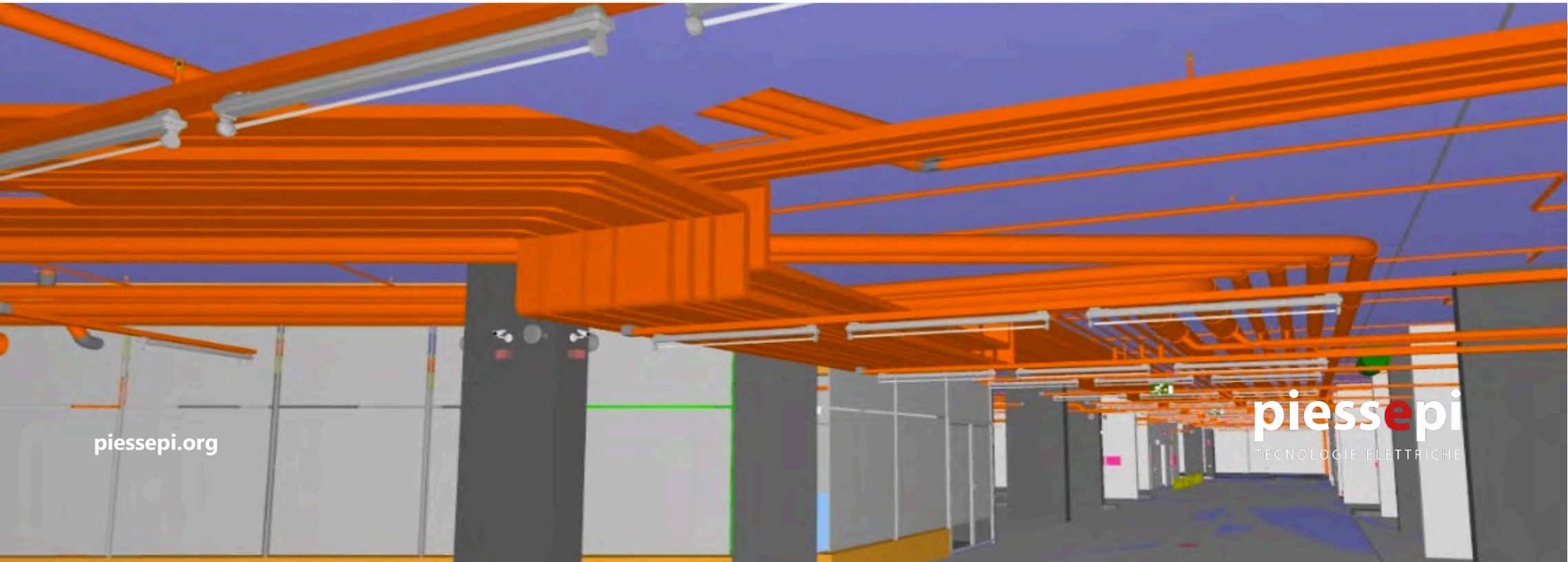
- Reduce errors and costs
- Find potential 2D and 3D interferences for extremely accurate projects.
- Improve collaboration in the cloud
- Facilitate teamwork and prevent mistakes by sharing projects in real time.

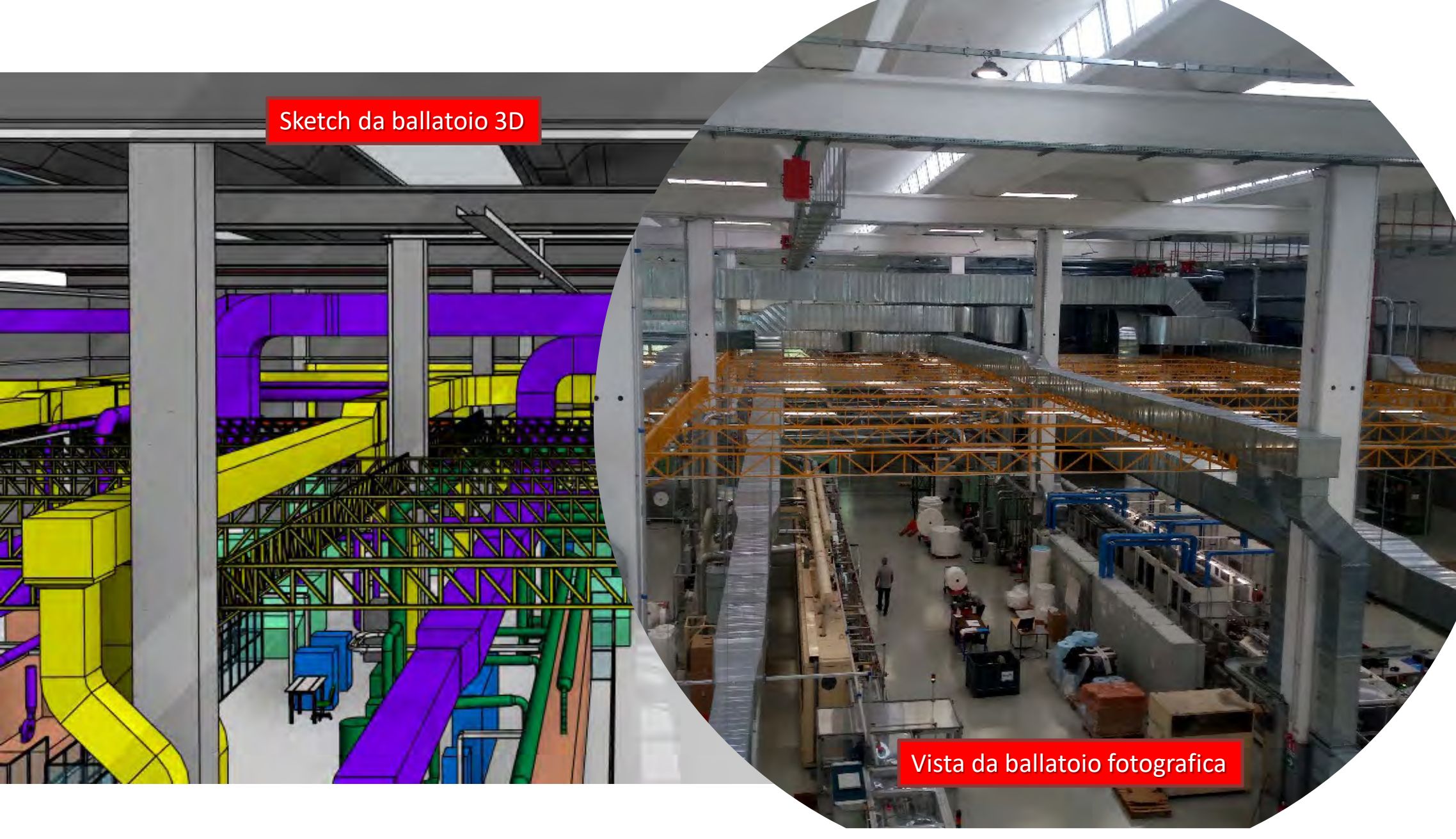


General view of electric and mechanical plants of Torre Hadid City Life, Milan

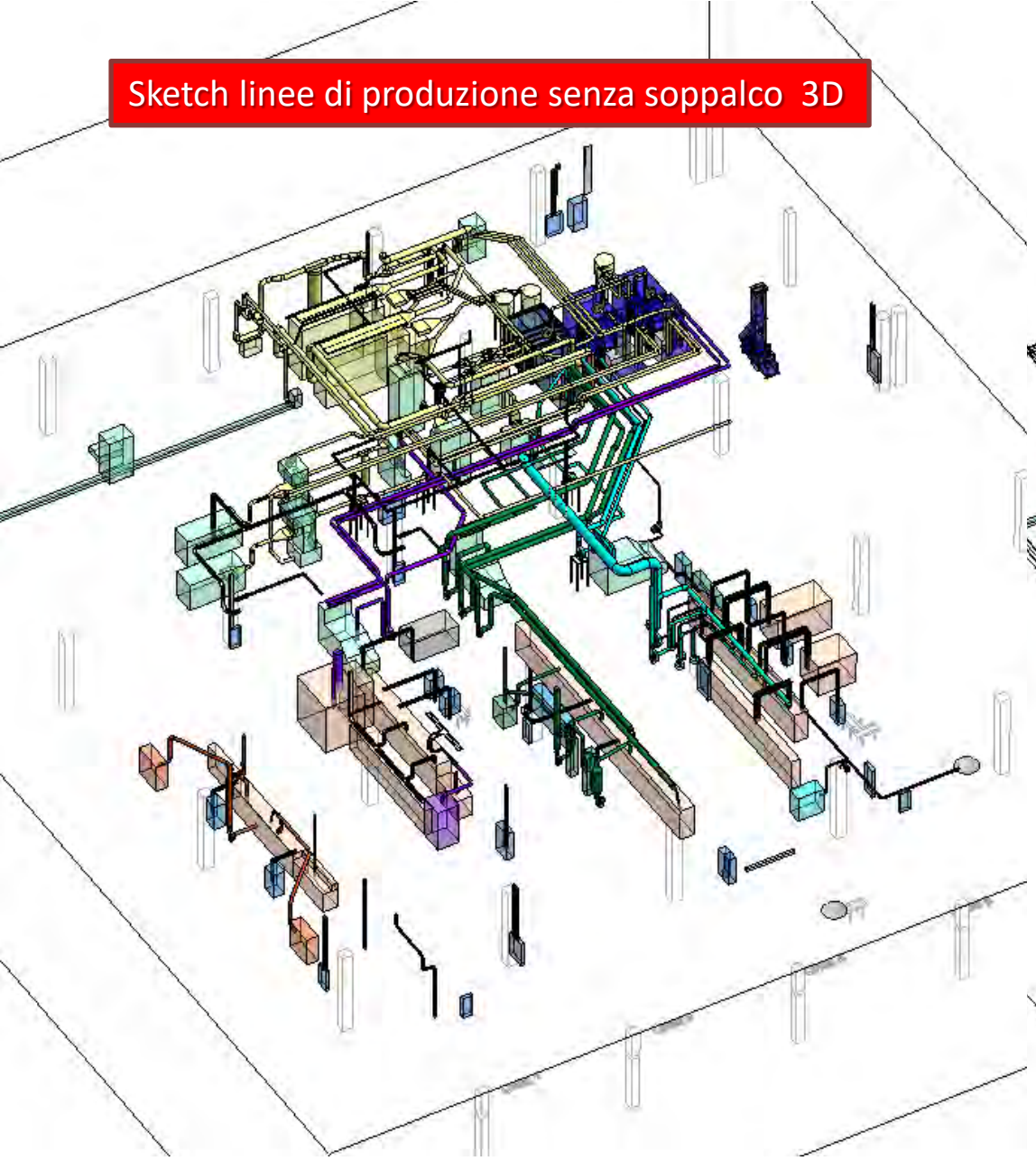
piessepi
TECNOLOGIE ELETTRICHE

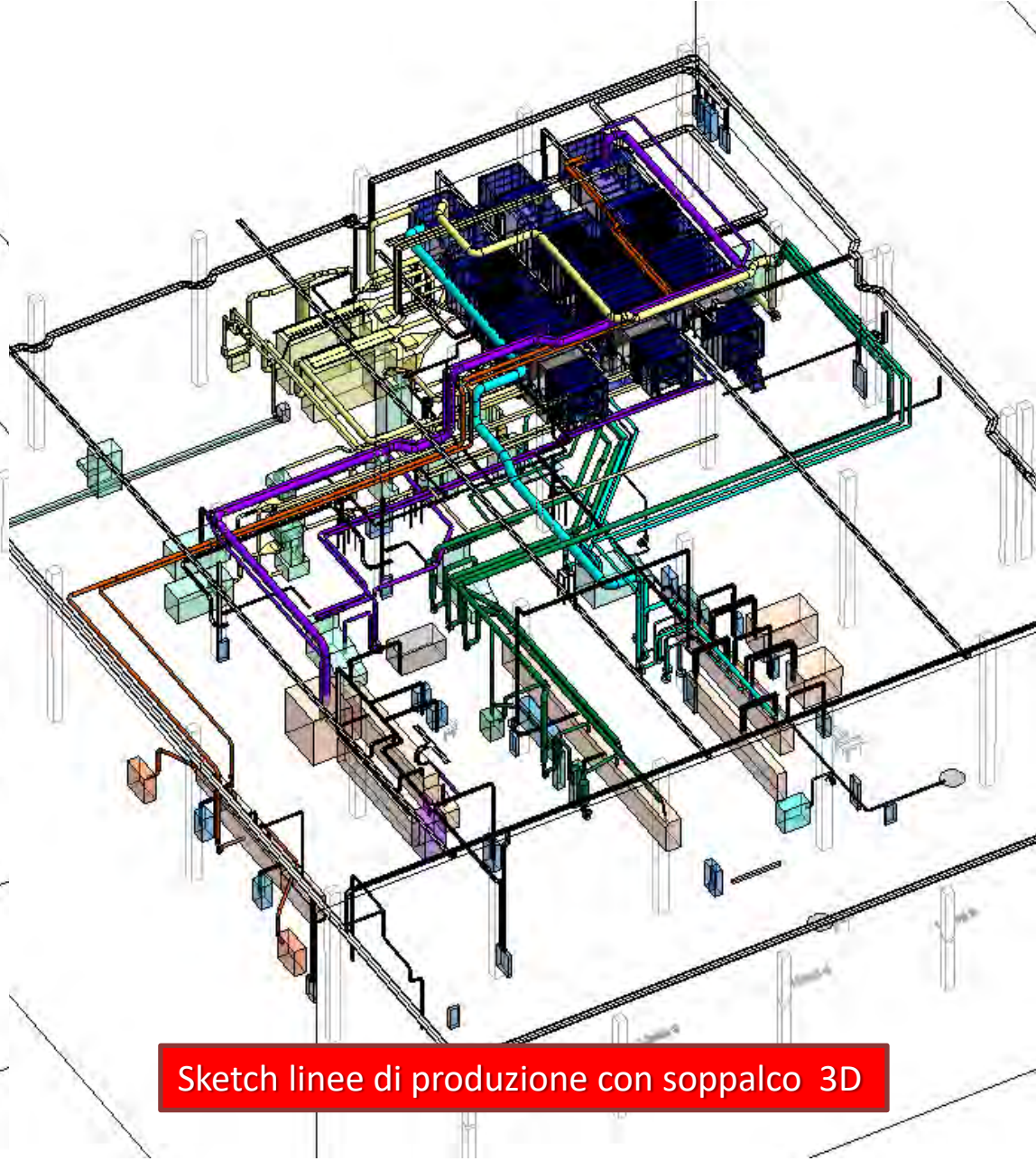



piessepi.org
piessepi
TECNOLOGIE ELETTRICHE


Sketch da ballatoio 3D
Vista da ballatoio fotografica

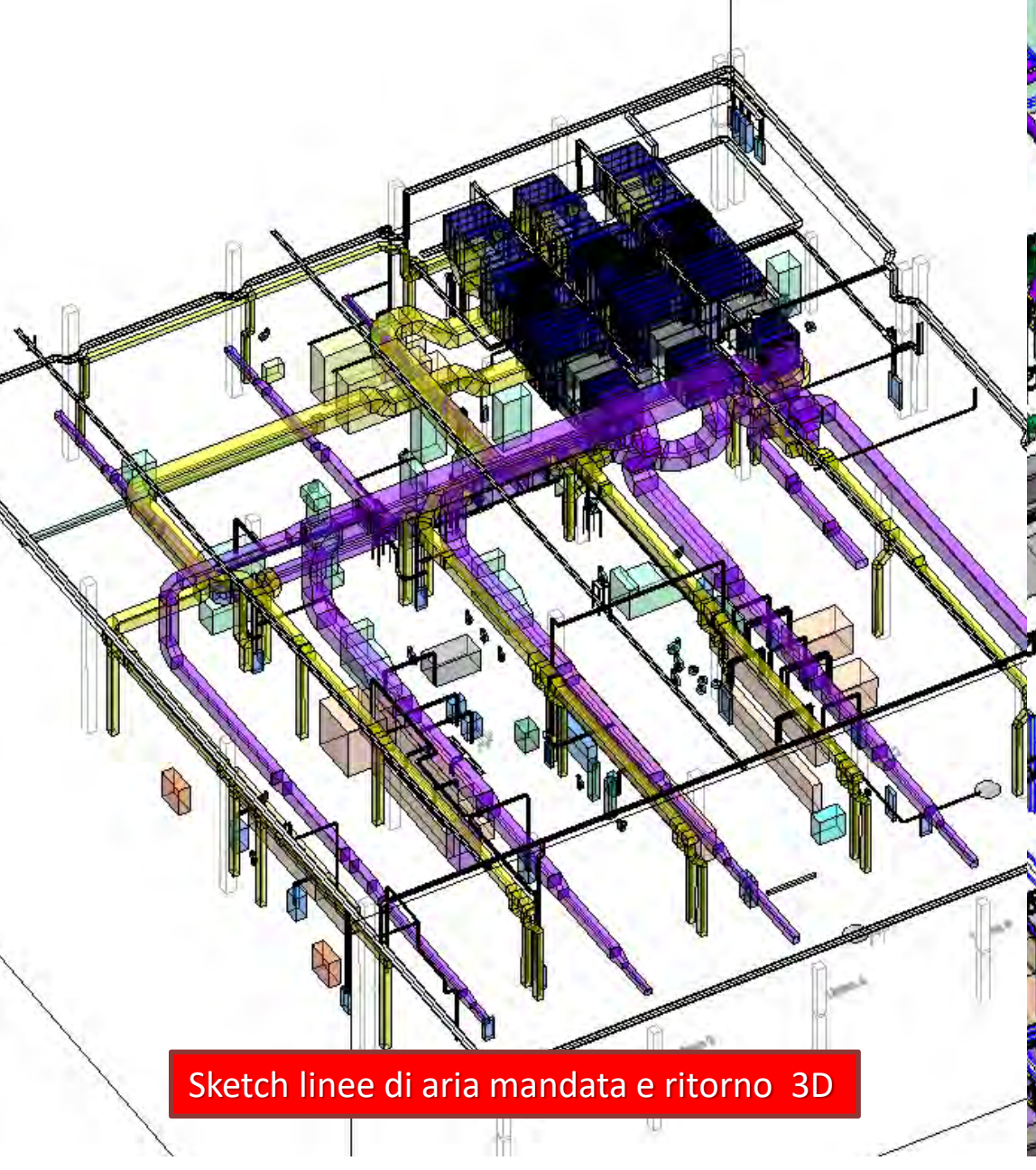
Sketch linee di produzione senza soppalco 3D



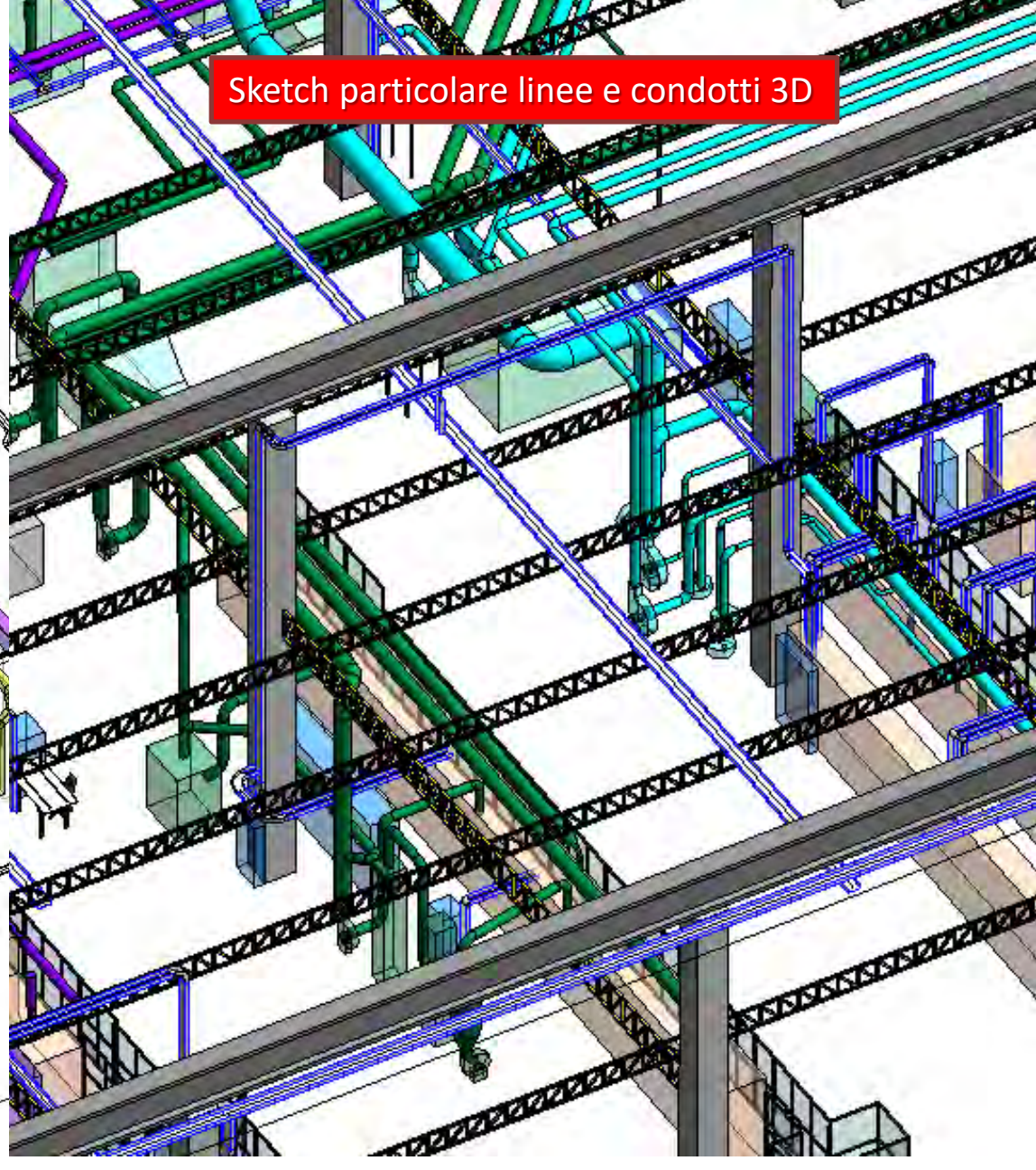


Sketch linee di produzione con soppalco 3D

piessepi
TECNOLOGIE ELETTRICHE



Sketch linee di aria mandata e ritorno 3D

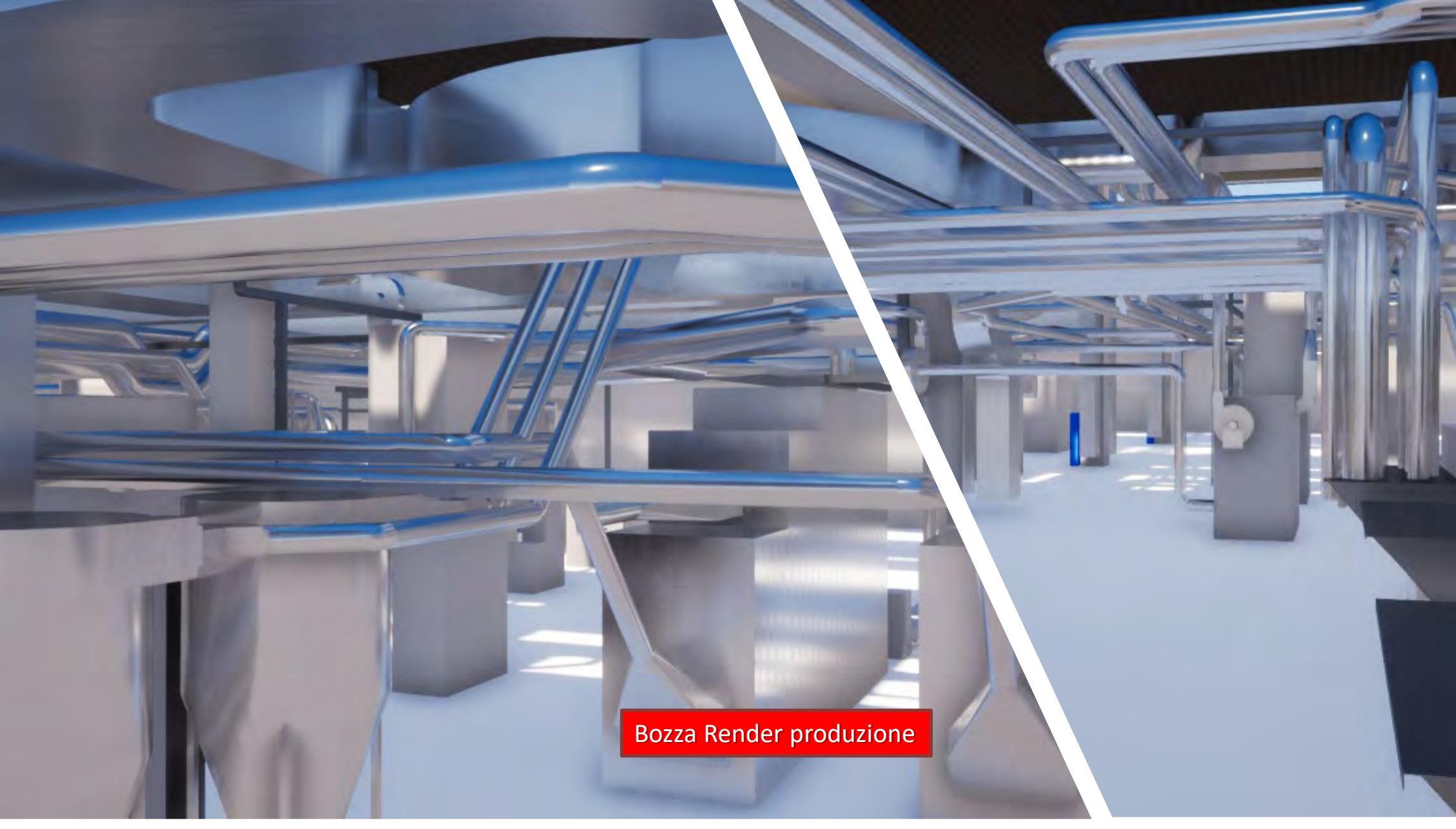


Sketch particolare linee e condotti 3D

piessepi
TECNOLOGIE ELETTRICHE

Bozza Render produzione

piessepi
TECNOLOGIE ELETTRICHE



piessepi.org

piessepi
TECNOLOGIE ELETTRICHE

BIM
Building Information Model

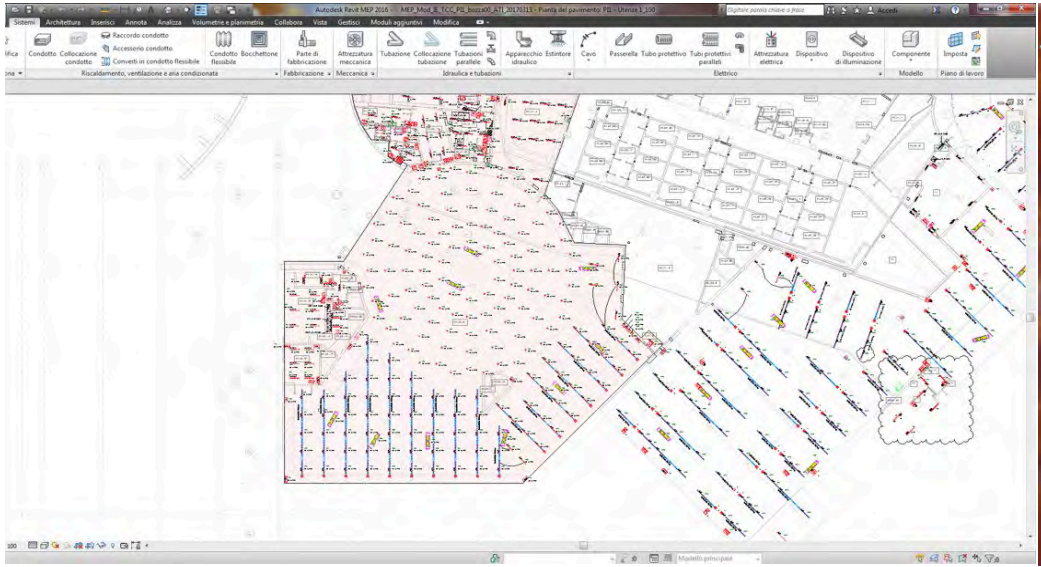
BIM is a "Building Information Container" which you can enter in graphic data (such as drawings) and specific technical attributes, for example related to the expected life cycle.

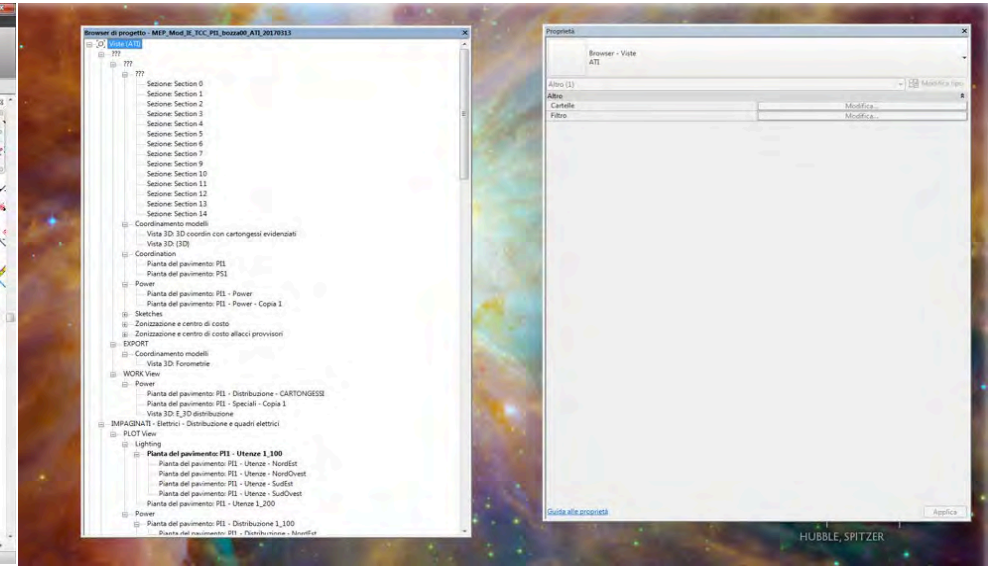
Designing objects such as walkways, pipes, terminals, paintings, or other equipment, additional information such as materials, technical data sheets, electrical absorption, etc. can be associated with the graphic information.

Unlike CAD design, which allows you to design a project through 2D or 3D drawings, MEP design is not limited to visual information or rendering, but it specifies the features and performance of each object present in the project.

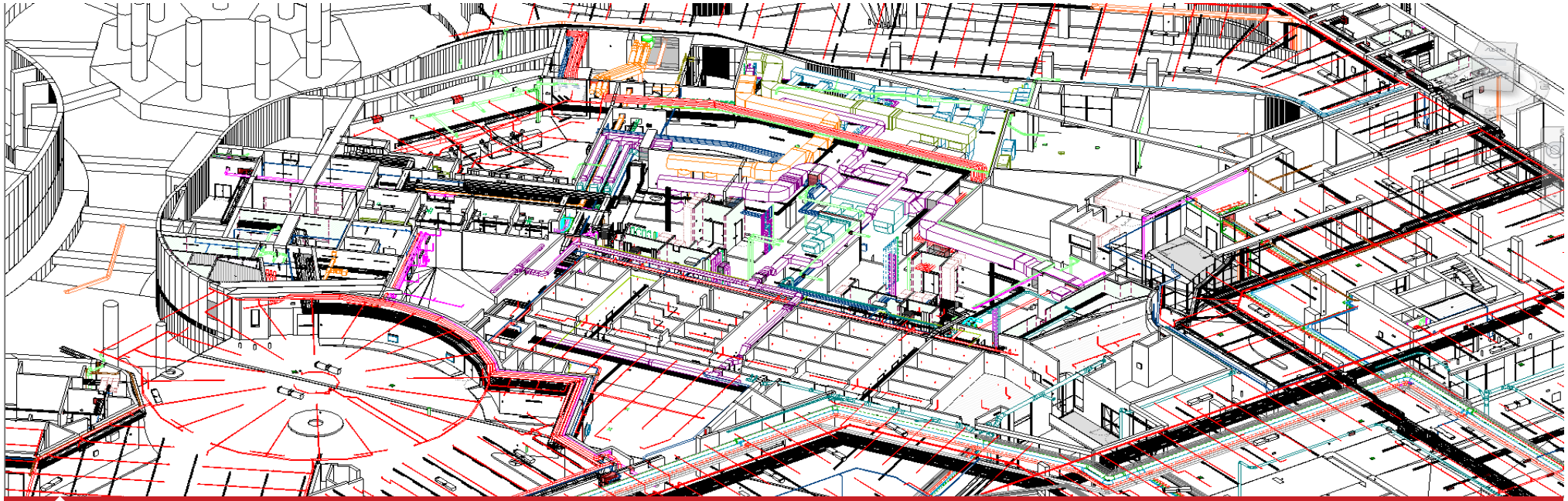
BIM, born from desire to reach the collaboration between designers and the processes integration, is a collaborative design method as it allows to integrate the useful information at every stage of design: architectural, structural , plant engineering and management..

Torre Libeskind, City Life, Milan

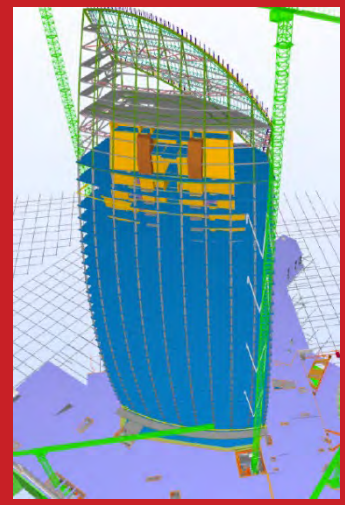


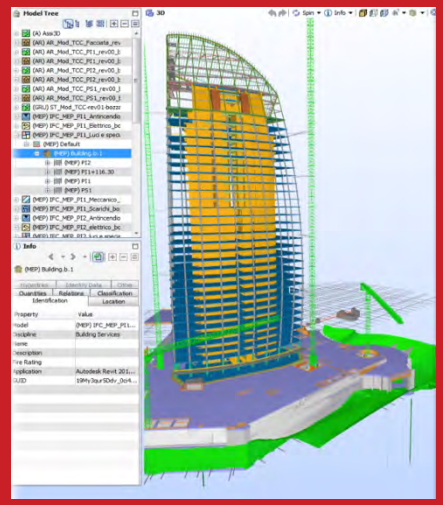


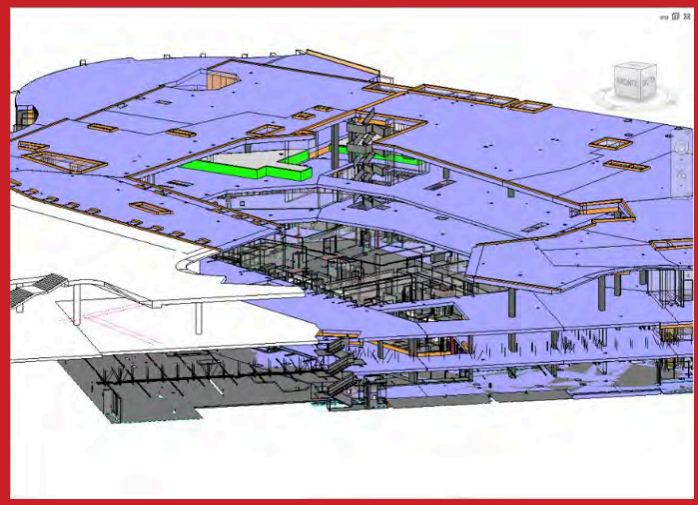
piessepi
TECNOLOGIE ELETTRICHE



Global View – plant "piastra" and viability







Coordination model of Torre Libeskind, City Life, Milan

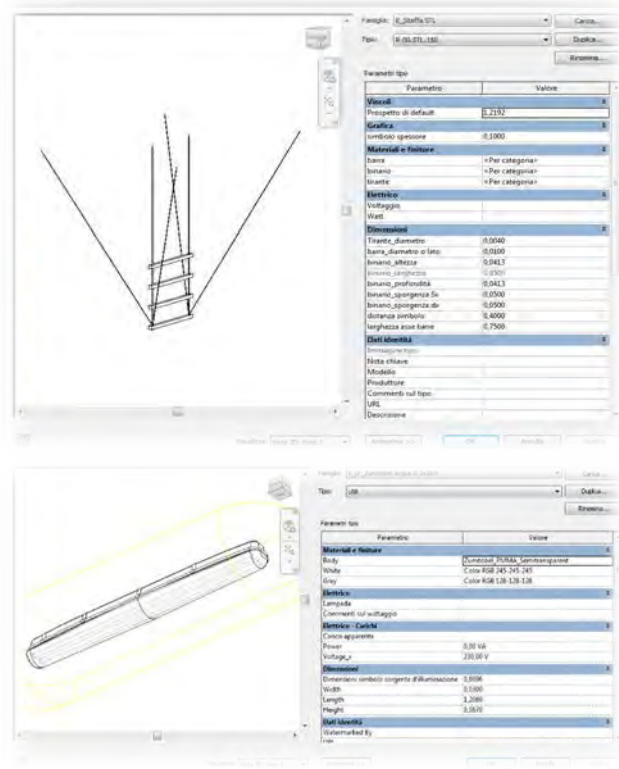
piessepi
TECNOLOGIE ELETTRICHE

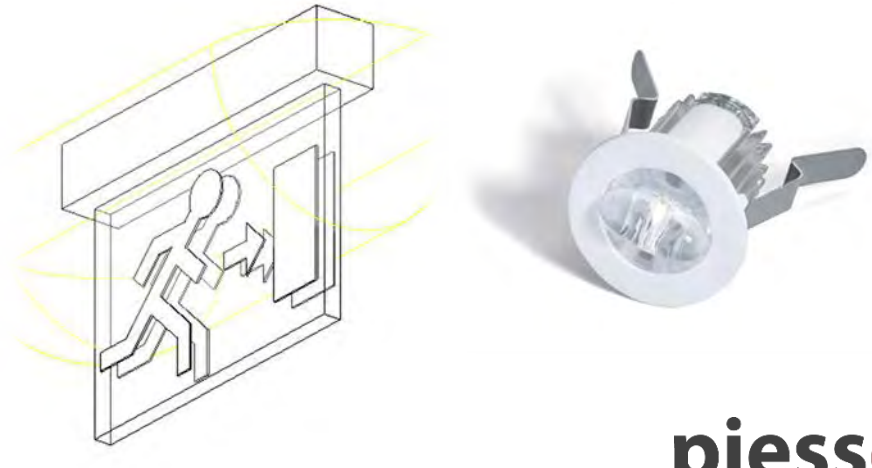
ELECTRICAL SYSTEMS

Design of electrical systems through BIM model is facilitated by the possibility of simultaneously managing different objects, depending on their planting nature.
In this regard, electric assemblies, coordinated with mechanical or hydraulic ones, which often clash by channel positions rather than traces under the wall, etc., can find a wide application.

Electrical design, is studied from the beginning, to model:
- electrical appliances
- electrical equipment
- lighting devices
- Data devices, telephone, safety and control circuits, alarm devices, etc.

With the implementation of BIM, it is possible to design electrical systems of all kinds and to provide a specific service for the coordination of these and their distribution lines (pipes, protective pipes, pipes and junctions) to a construction level of detail in order to overcome any conflict with other MEP disciplines with the aim of explicating any incongruity or interference with the site.



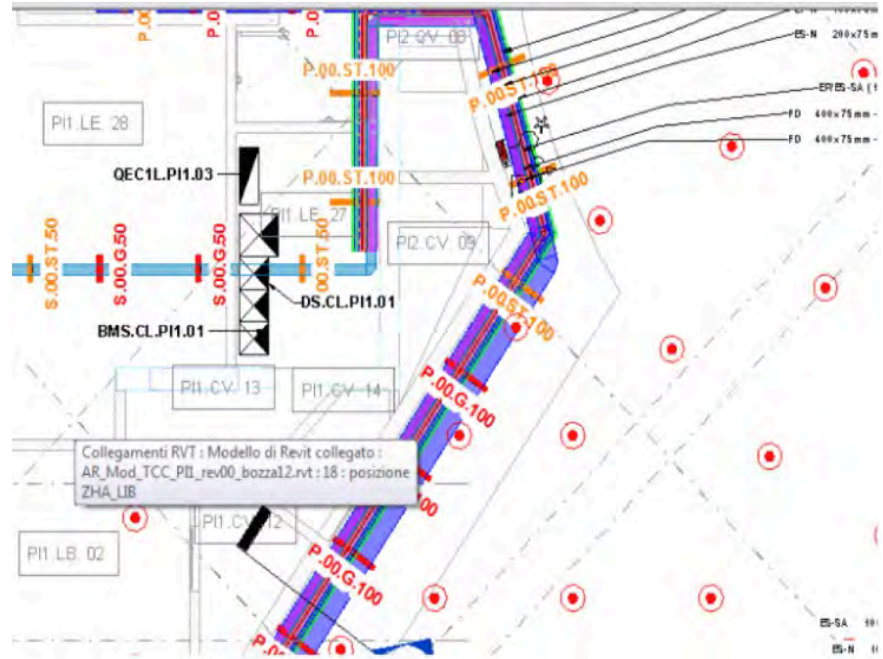


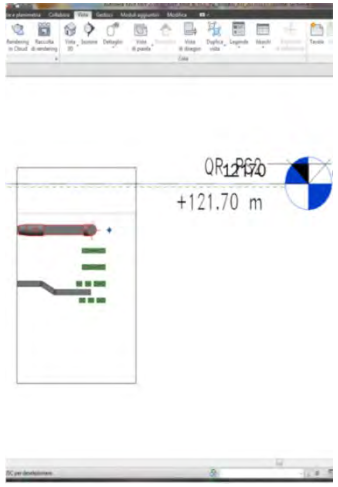
Examples of parameterization of the electrical system objects, City Life, Milan

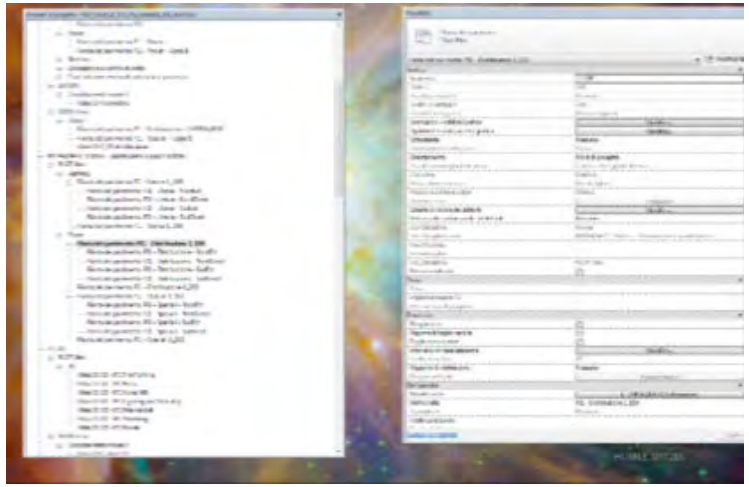
piessepi
TECNOLOGIE ELETTRICHE

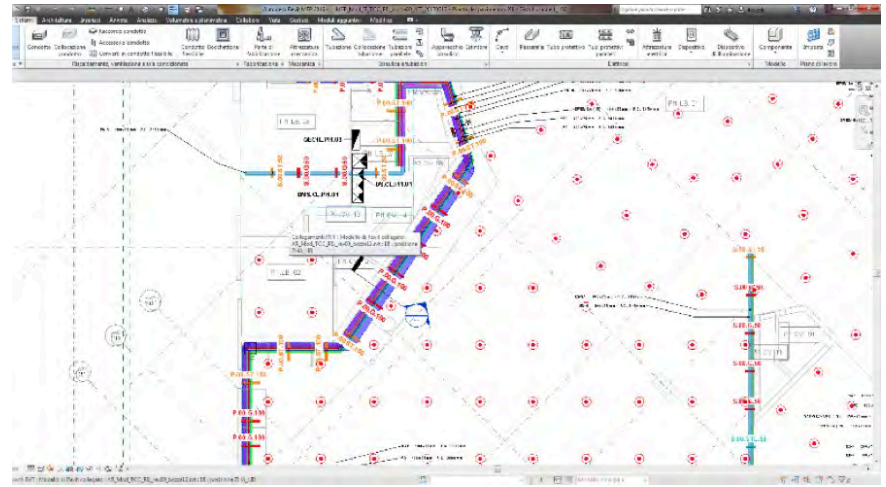
A synthetic list of electrical applications in BIM, and the crucial aspects of key keywords and key concepts linked to them:

- Focus on electrical design
- Focus on design by automating site documentation
- Fast arrangement of devices and devices with automation tools
- Benefit from "smart" design data that adds value to the supply chain
- Integrate electrical design, analysis and documentation
- Time saving in project development phase
- Automatic updating of labels and other design data
- Create 2D accurate and coordinated 3D designs
- Interrogate every aspect of the architectural model
- Make geometric changes through associated parametric attributes
- Avoid errors and interferences
- Get instant visual feedback
- Facilitate collaboration and integration in shared multidisciplinary models.







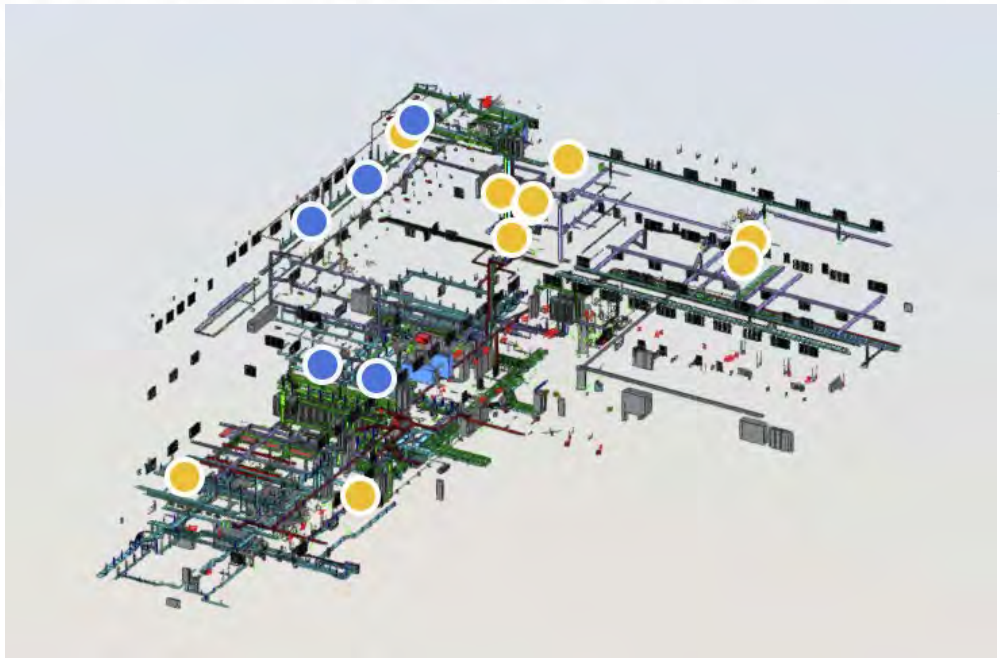


piessepi
TECNOLOGIE ELETTRICHE

COLLABORATION BETWEEN THE TECHNICAL OFFICE AND THE CONSTRUCTION SITE

Issue Management

Status	ID	Type	Sub-type	Title	Location	Assigned to	Company	Due date	Linked document
Open	27	Coordination	Clash	prova	BLDG AC	Francesco Palana	Zaffaroni	-	RPN_EL_6...0.rvt
Open	26	Coordination	Clash	Clash with a Column	BLDG AC > AC04	Egg-Telsa SA	-	-	RPN_EL_6...0.rvt
Open	25	Observation	Observation	Clash with Column and ...	BLDG AC > AC03	Egg-Telsa SA	-	-	RP
Open	24	Observation	Observation	Cabletray Visible from t...	BLDG AC > AC03	Egg-Telsa SA	-	-	RP
Work completed	23	Observation	Observation	Cable Tray to hide	BLDG AC > AC01	Nicolas CHARTON	Egg-Telsa SA	-	RP
Open	22	Design	Design	New distribution for CC ...	BLDG AC > AC03	Egg-Telsa SA	-	-	RP
Answered	21								RP
Open	20								RP
Answered	19								AC-
Answered	18								02



OPEN

Issue

#26

DETAILS ATTACHMENTS ACTIVITY

AY **Antony Yaranga** Jun 7, 2:13 PM

Description was changed. Show

AY **Antony Yaranga** Jun 7, 2:13 PM

Description was changed. Show

AY **Antony Yaranga** Jun 7, 2:21 PM

Uploaded a photo

Immagine 202...jpg

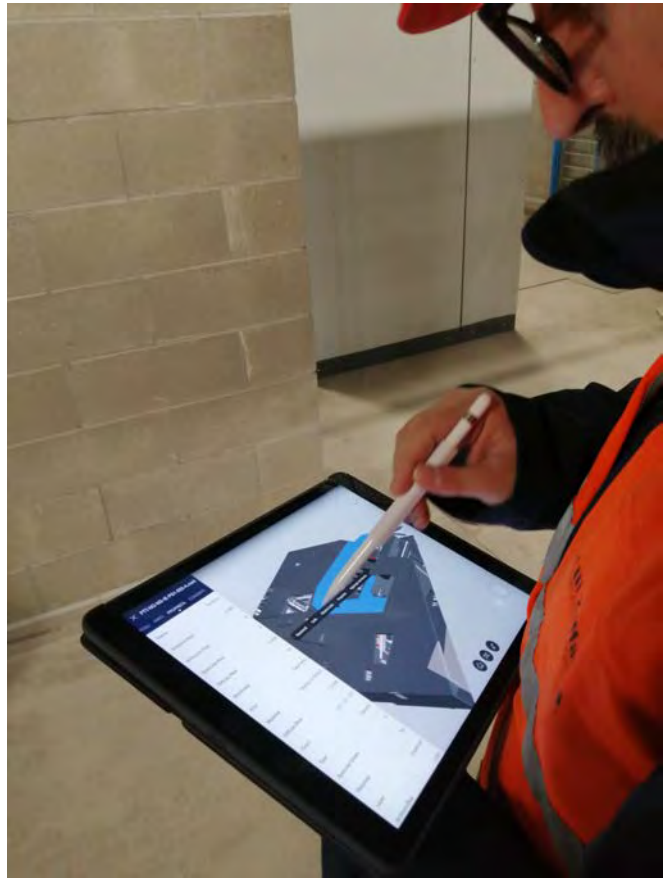
AY **Antony Yaranga** Jun 7, 2:22 PM

I've attached a capture 👍

piessepi
TECNOLOGIE ELETTRICHE

COLLABORATION BETWEEN THE TECHNICAL OFFICE AND THE CONSTRUCTION SITE

Viewing in the construction site



piessepi
TECNOLOGIE ELETTRICHE

piessepi

TECNOLOGIE ELETTRICHE

Piessepi Srl

info@piessepi.org
www.piessepi.org

Sede Legale
Via Varesina, 52
21040 Jerago con Orago (VA) - Italia
Tel. +39 0332 458766

Sede Operativa
Via Donizetti, 17/B - 21020 Buguggiate (VA) - Italia
Via Nervesa, 4 - 20139 Milano (MI) - Italia
Tel. +39 0332 458766