

CYPE

2026



Digitising the AEC industry. From design to project.



At CYPE, innovation is part of our DNA. For more than 40 years, we have been developing technology that revolutionises the way the **built environment is designed, built and managed**. With an unwavering commitment to the digitisation of the AEC industry, we offer solutions that combine **accuracy, productivity and interoperability** to power a new era in construction.

In this catalogue, you'll find the full range of CYPE software, organised according to the main phases of a building's life cycle: from design to execution, operation and maintenance.

Based on the **Open BIM methodology**, CYPE software connects teams, integrates disciplines and makes **project development more agile, collaborative and efficient**. All of this to take your work to a new level of quality and performance.

Solutions for all phases of a BIM project.



Architectural modelling

CYPE Architecture and the tools in the "BIM Essentials" collection make the day-to-day work of a BIM modeller easier.



Structural design

Reinforced concrete, steel, timber and aluminium. Our tools cover all phases of structural design.



MEP systems

Plumbing, electricity, HVAC, fire protection. Everything an MEP expert needs.



Project management

Cost estimation, accurate bills of quantities and document management. Everything you need to develop a project.



Architectural modelling is the start of a BIM project. In CYPE, it is carried out with **CYPE Architecture**, from the sketch to the detailed model. **Open BIM Site** is used to define the location and terrain data. **CYPE Construction Systems** adds thermal and acoustic characteristics. The coordination is done with **Open BIM Model Checker** and the drawings with **Open BIM Layout**.



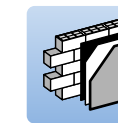
CYPE Architecture

Architectural modelling integrated into the Open BIM workflow, from sketch to detailed model.



Open BIM Site

Define the location, maps, topography, parcels and buildings of the project in the Open BIM environment.



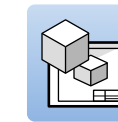
CYPE Construction Systems

Define construction systems for the building envelope and interior partitioning of the building.



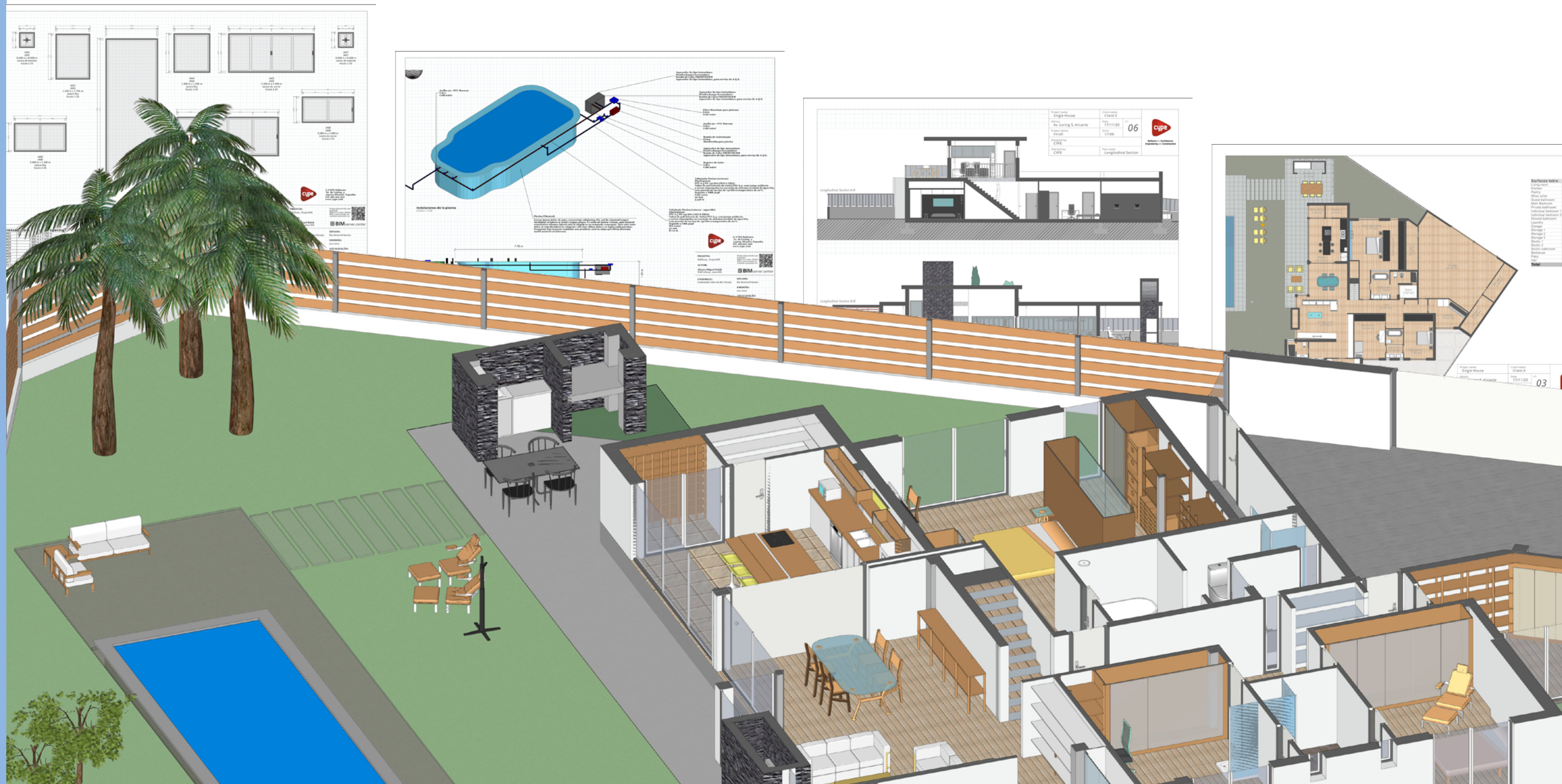
Open BIM Model Checker

Revise BIM projects and manage issues.



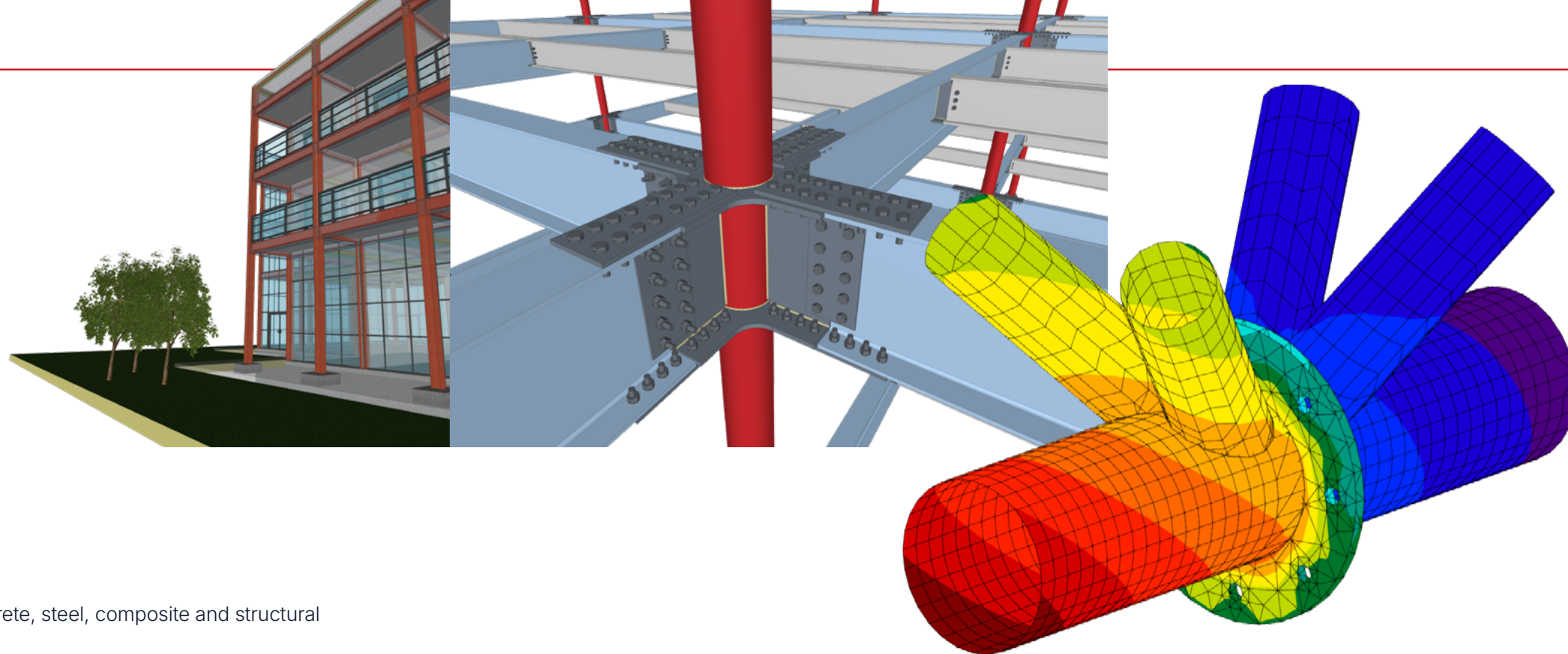
Open BIM Layout

Generate 2D and 3D drawings from BIM models in IFC for the graphic documents of the project.



Structures

The durability and safety of buildings depend on a rigorous structural design. At CYPE we specialise in this field, and offer tools such as **CYPECAD**, **CYPE 3D** and **StruBIM** Steel for structural modelling and analysis. Our programs, used throughout the world, stand out for their reliability and accuracy in technical analysis.



CYPECAD

Analyse and design concrete, steel, composite and structural masonry structures.



StruBIM Shear Walls

Analyse reinforced concrete shear walls according to international and European standards.



StruBIM Cantilever Walls

Analyse reinforced concrete cantilever walls for retaining soil.



CYPE 3D

Modelling and analysis of steel and timber structures: trusses, frames and space frames, among others.



CYPE Connect

Modelling and analysis of steel and timber structure connections by means of finite elements.



StruBIM Embedded Walls

Design and assembly of shear walls, piles, mini piles and steel sheet piles.



StruBIM Box Culverts

Analyse and check concrete frames for underpasses and drainage.



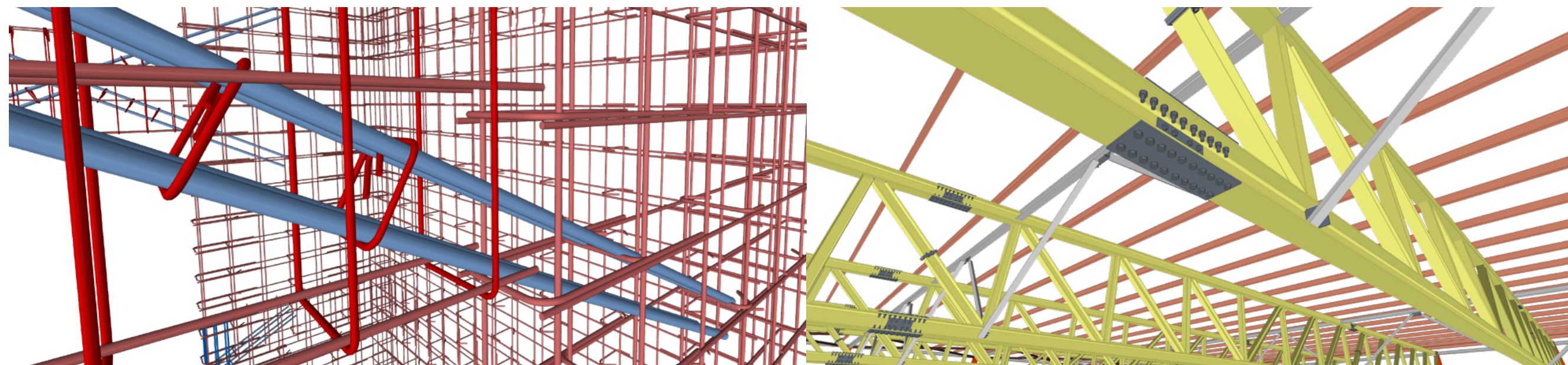
StruBIM Steel

Detailed modelling of steel structures and generation of drawings and manufacturing files.



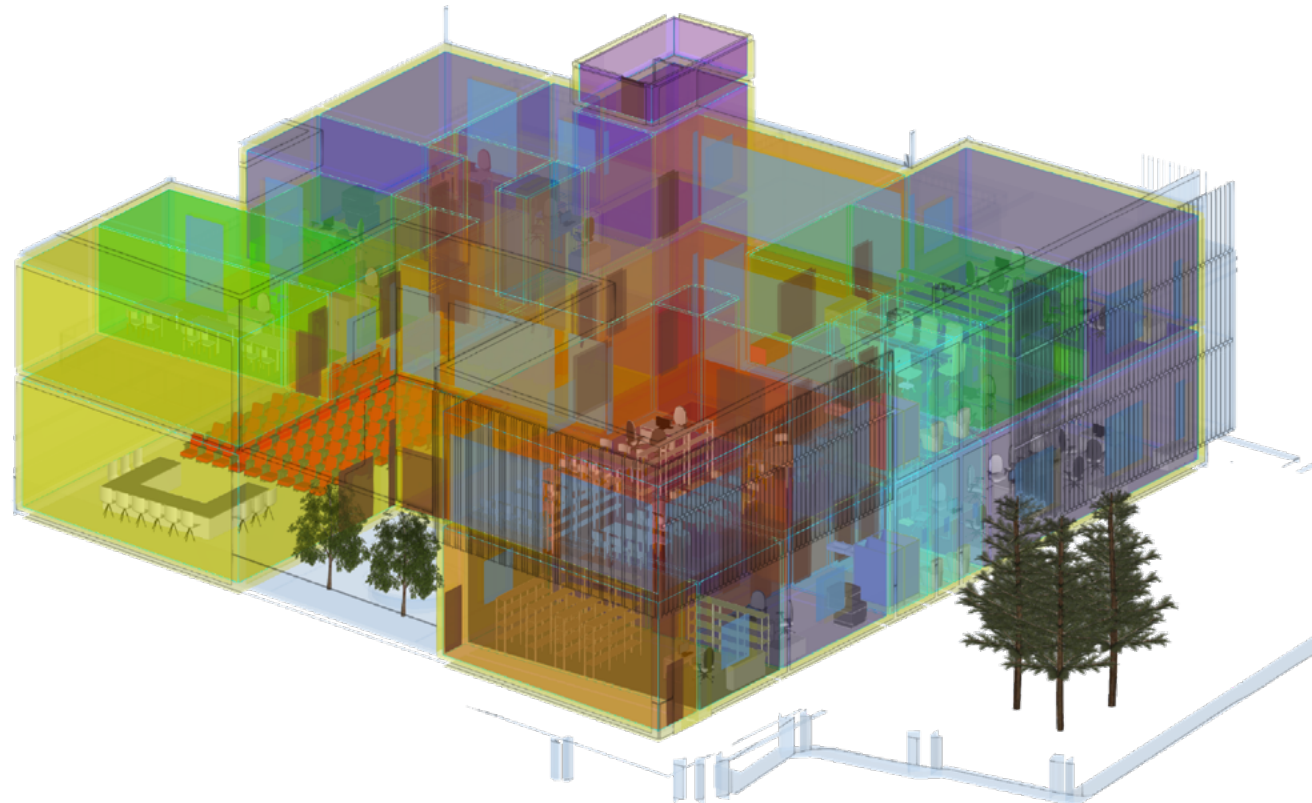
Portal frame generator

Generate geometry and steel frame loads, with optimised purlin design.



Energy and acoustic simulations

The **CYPETHERM** range can analyse the energy efficiency of the building from an early stage, recommending bioclimatic design and efficient systems. It offers energy simulation, regulatory certification and consumption reduction. **CYPELUX** complements it with the building's lighting analysis, to promote visual comfort and ensure regulatory compliance.



CYPETHERM LOADS

Analyse building thermal loads according to the ASHRAE RTSM method.



AcouBAT by CYPE

Analyse and verify sound insulation with the AcouBAT engine of the CSTB.



CYPETHERM EPlus

Energy simulation of buildings with the EnergyPlus™ engine using BIM models.



CYPETHERM Improvements Plus

Energy audit of the building with proposals for improvement and economic analysis.



CYPELUX

Light analysis of lighting systems using Radiance.



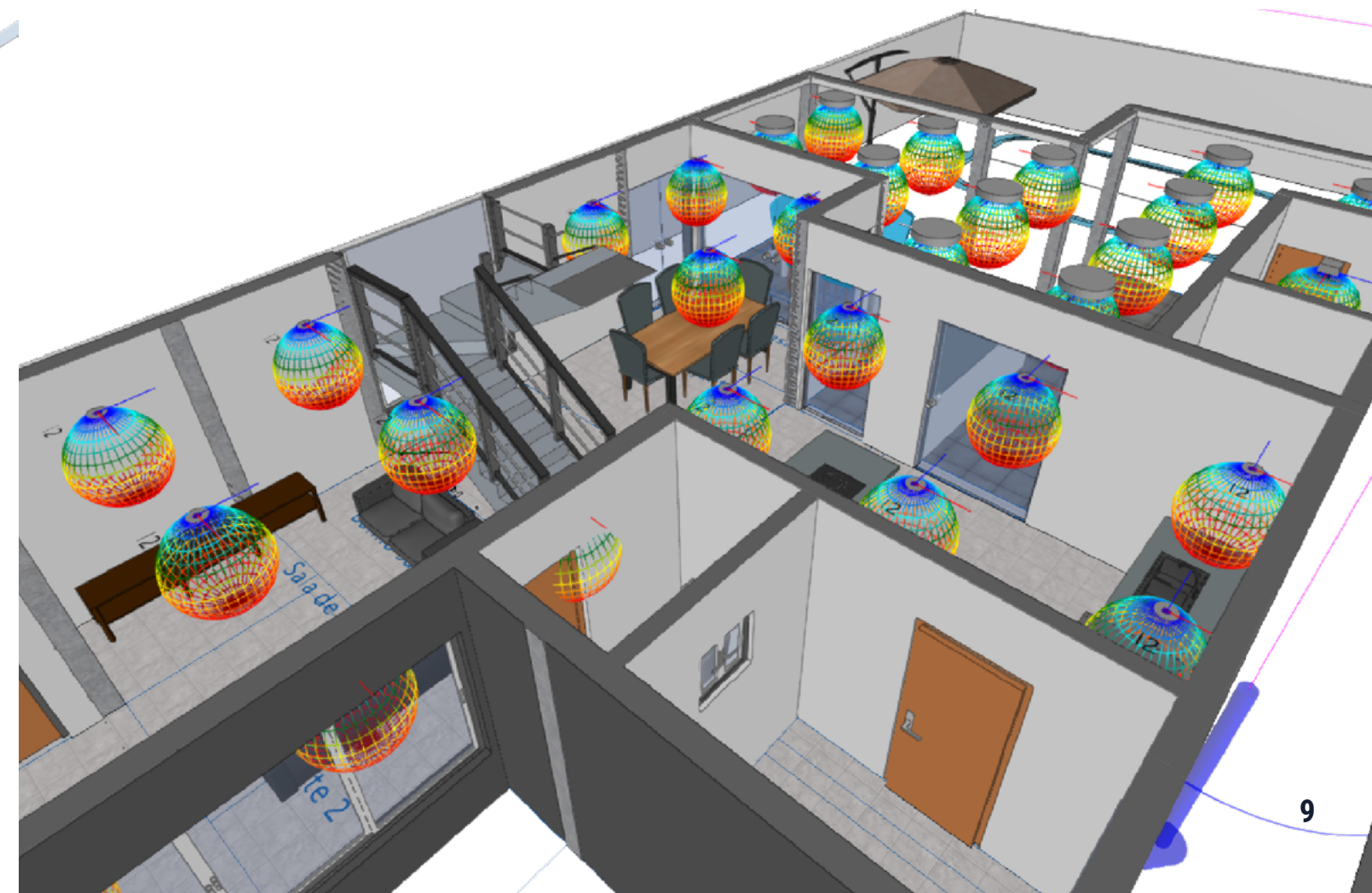
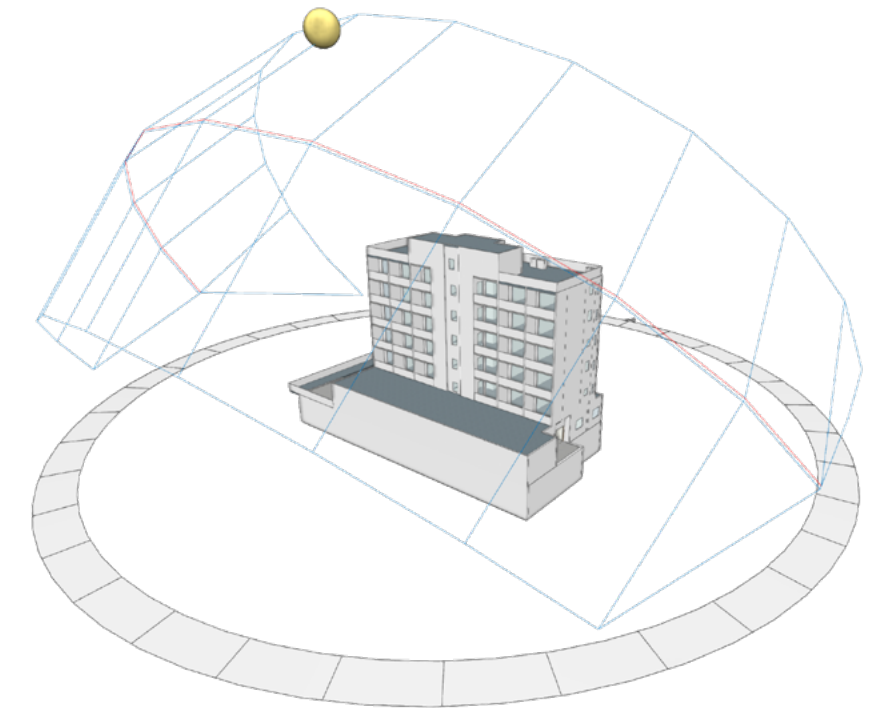
IFC Builder

Create and edit exportable 3D models in IFC format.

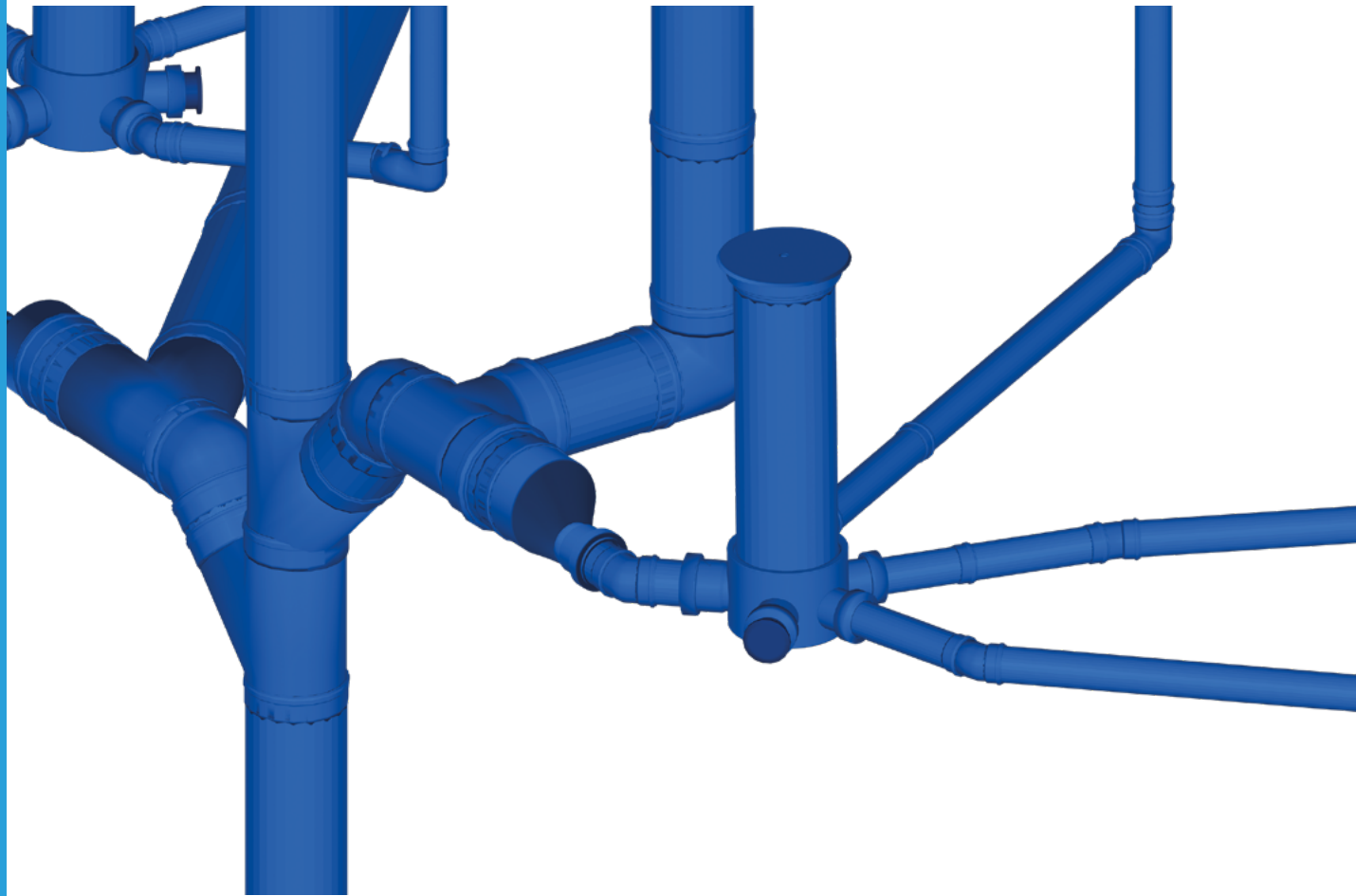


Open BIM Analytical Model

Generate analytical thermal and acoustic models from IFC architectural models.



Plumbing

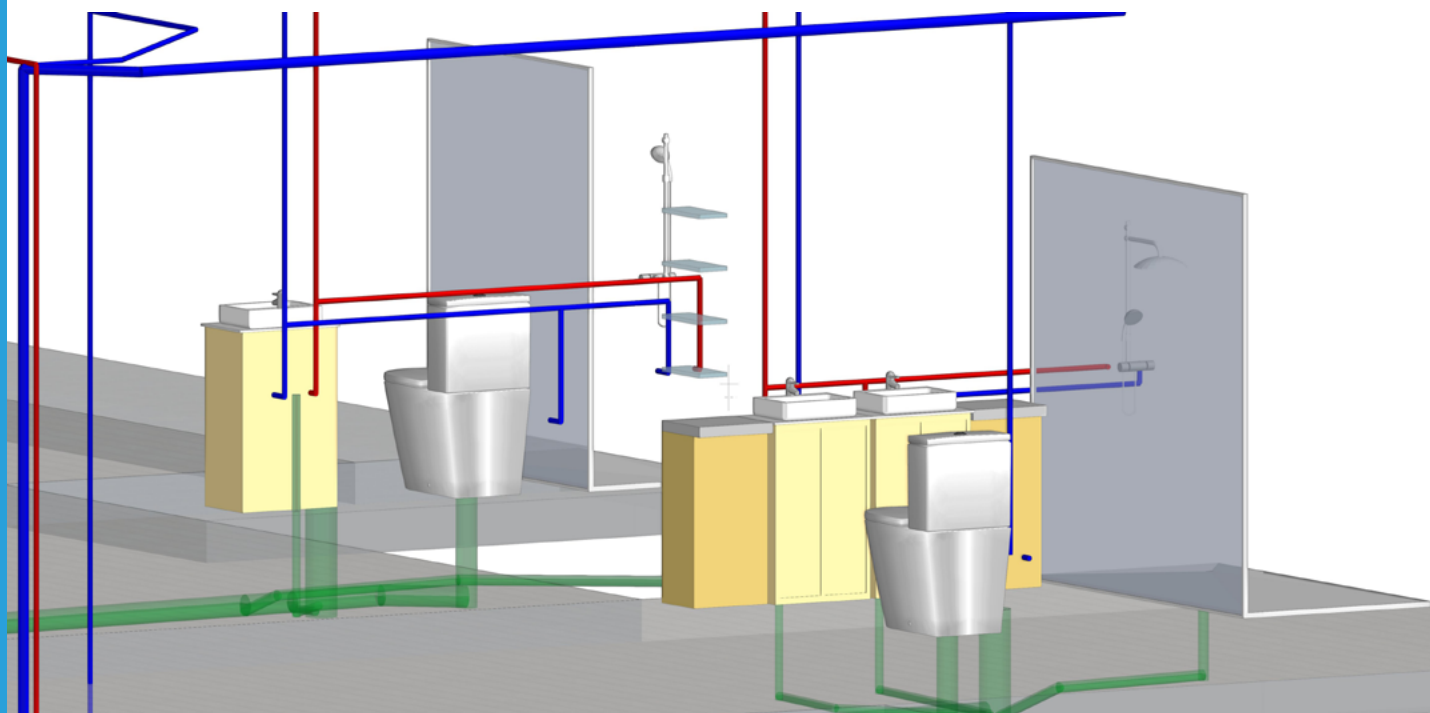


CYPEPLUMBING designs and analyses water supply and drainage systems in buildings. It combines graphic input with regulatory design and integrates the networks into the BIM model, which facilitates their 3D layout and coordination with other installations and structural elements of the project.



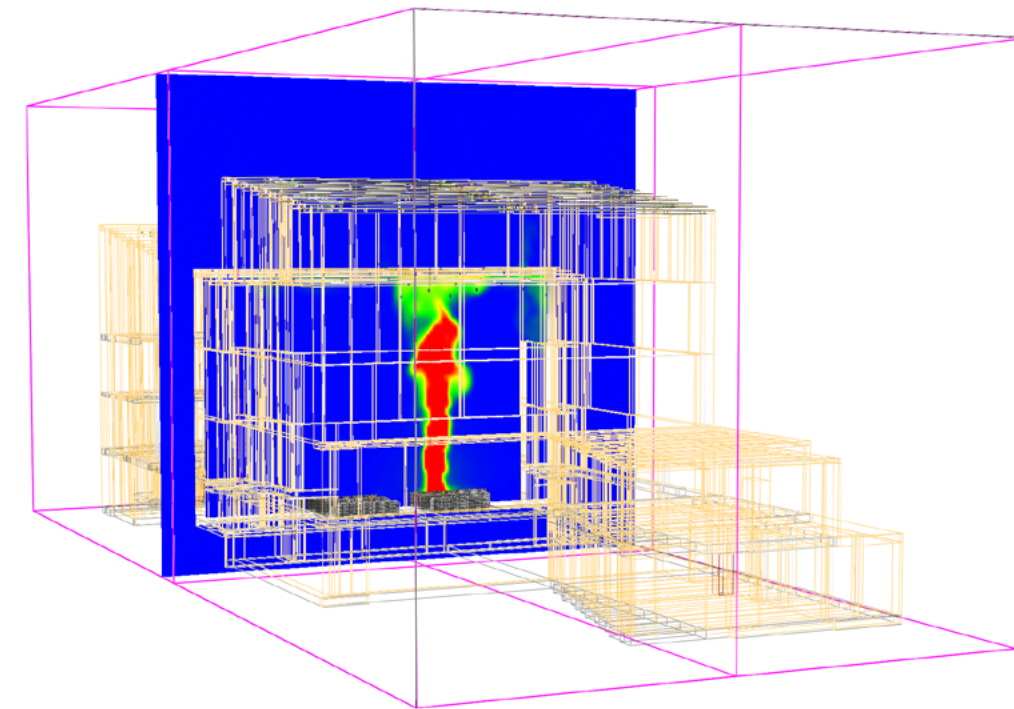
CYPEPLUMBING

Design and analyse the drinking water, wastewater and rainwater networks in buildings.



Fire protection

CYPEFIRE adapts the architectural design to fire regulations at an early stage. **CYPEFIRE FDS** simulates propagation, smoke control and evacuation. **CYPEFIRE Hydraulic Systems** designs hydraulic extinguishing systems, completing a comprehensive approach to fire safety.



CYPEFIRE

Fire protection design, including both active and passive measures.



CYPEFIRE FDS

Advanced fire simulation using the FDS (Fire Dynamics Simulator) engine.



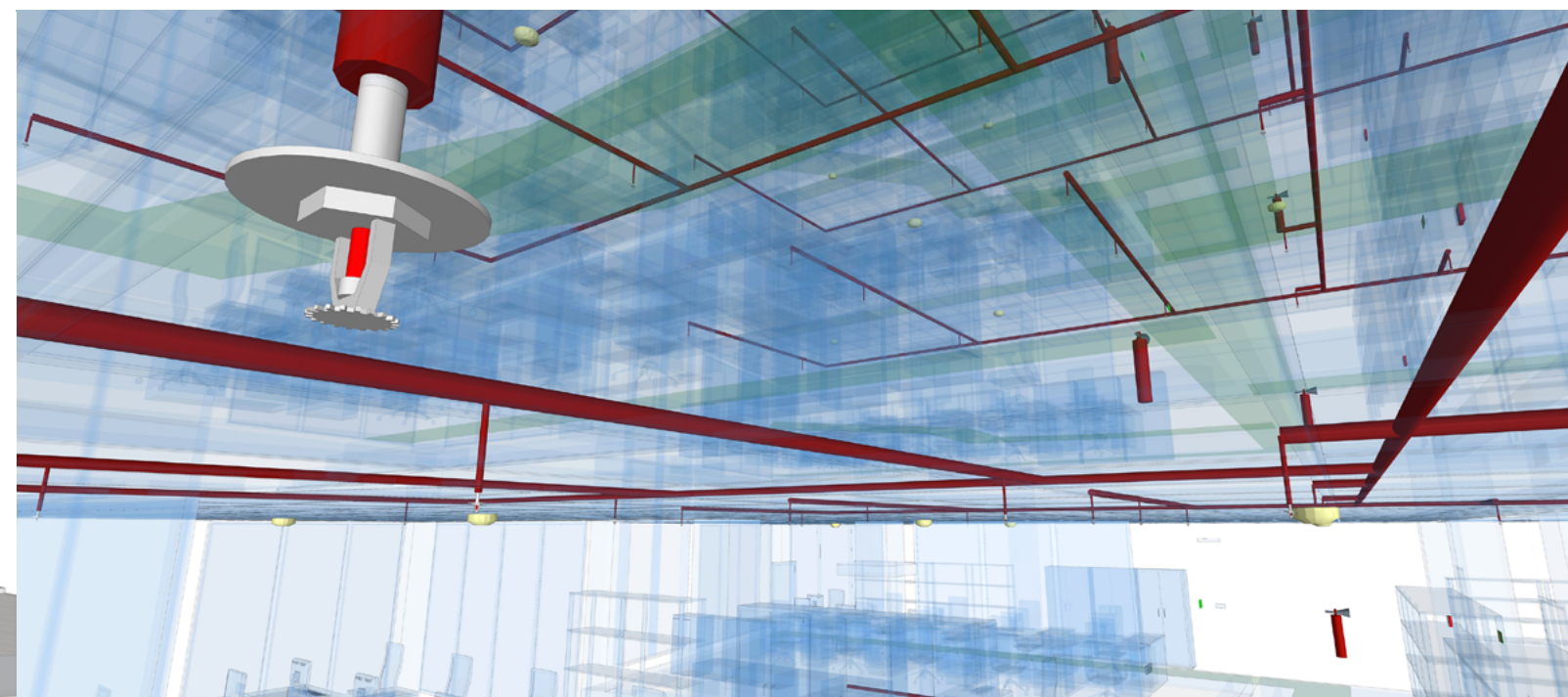
CYPEFIRE Hydraulic Systems

Design hydraulic fire extinguishing systems with EPANET 2 engine.



CYPEFIRE Pressure Systems

Design pressure differential systems according to EN 12101-6.



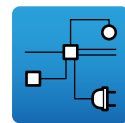
Electrical systems

The design of electrical networks requires precision, efficiency and regulatory compliance. The **CYPELEC** suite simplifies the layout, analysis and design of high, medium and low voltage systems, integrating everything in an Open BIM workflow that facilitates collaboration between specialist offices from the digital model of the project.



CYPELEC

Analyse low voltage electrical systems in accordance with regulations.



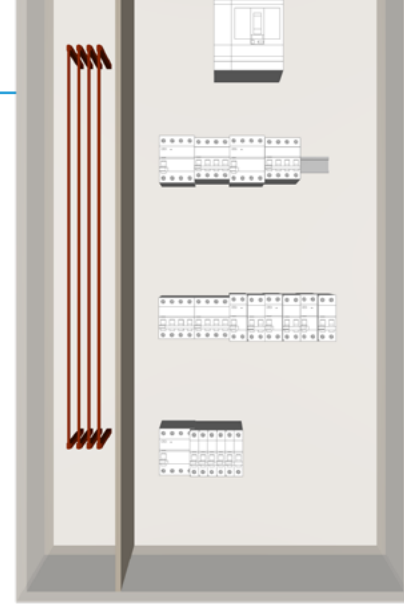
CYPELEC Distribution

3D design of electrical circuits and loads for electrical systems.



CYPELEC Multiline

Draw electrical multi-wire diagrams from the building model.



CYPELEC Electrical Mechanisms

Layout of electrical and telecommunication mechanisms in BIM models.



CYPELEC PV Systems

Design and analyse PV solar energy systems.



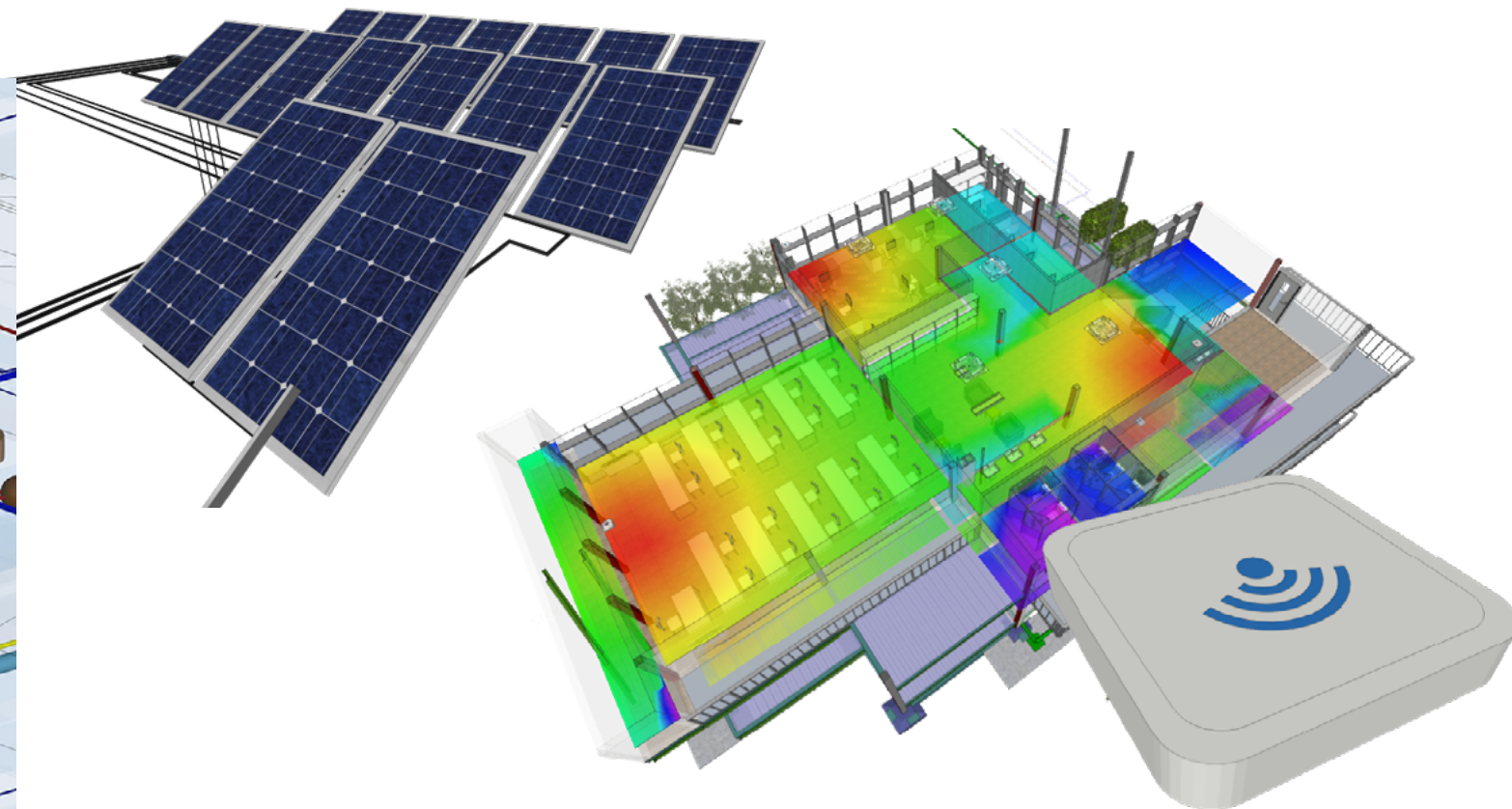
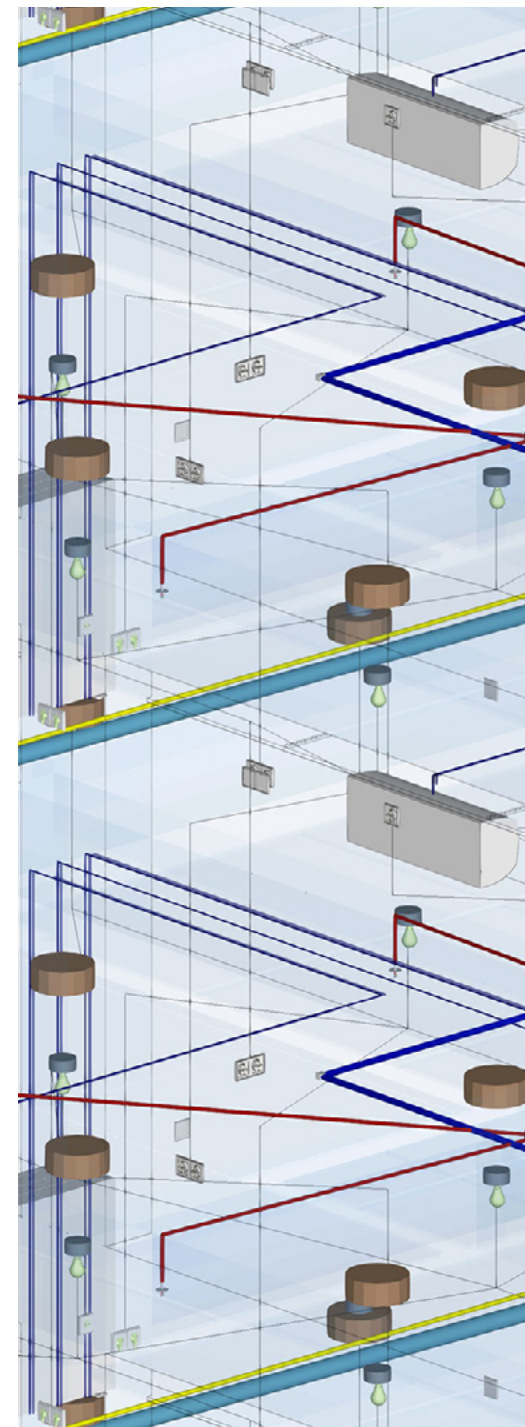
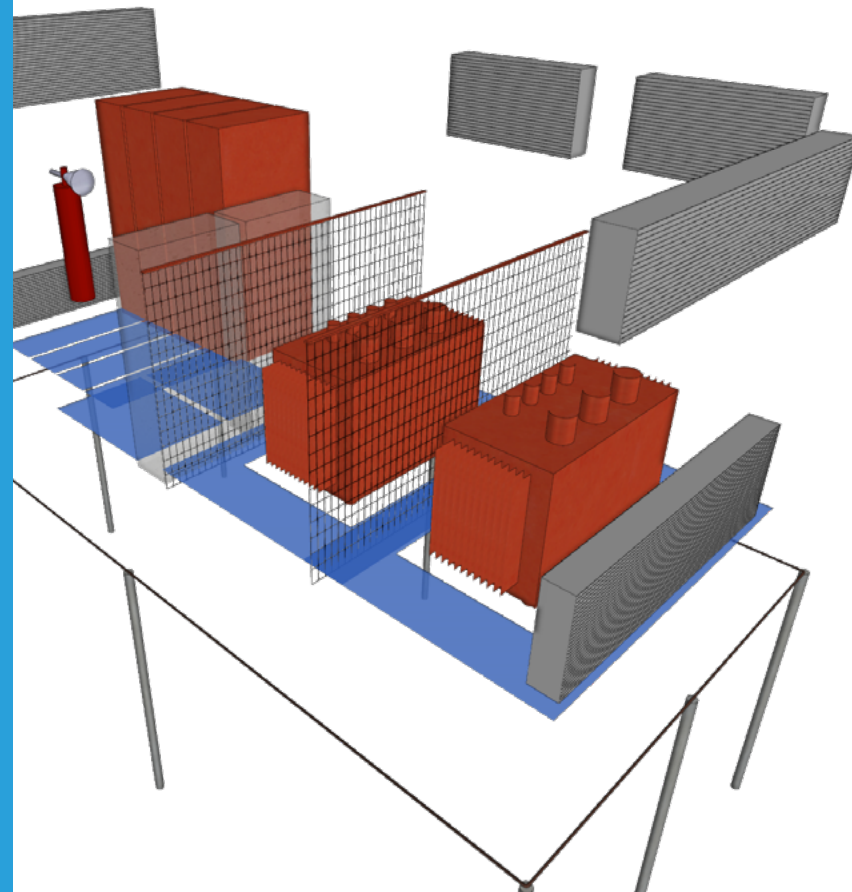
Open BIM Switchboard

Switchboard design integrated in the Open BIM environment.



Open BIM Cable Routing

BIM modelling of electrical and telecommunications conduits from catalogues.



Telecommunications

The BIM methodology also applies to telecommunications. **CYPETEL** programs cover everything from network modelling and analysis to drawings and reports. **CYPETEL Wireless** can be used to visually analyse the signal strength in a BIM model, making it an innovative solution for the design of wireless networks in the project environment.



CYPETEL

Design telecommunications systems with manufacturer's catalogues and graphical diagrams.

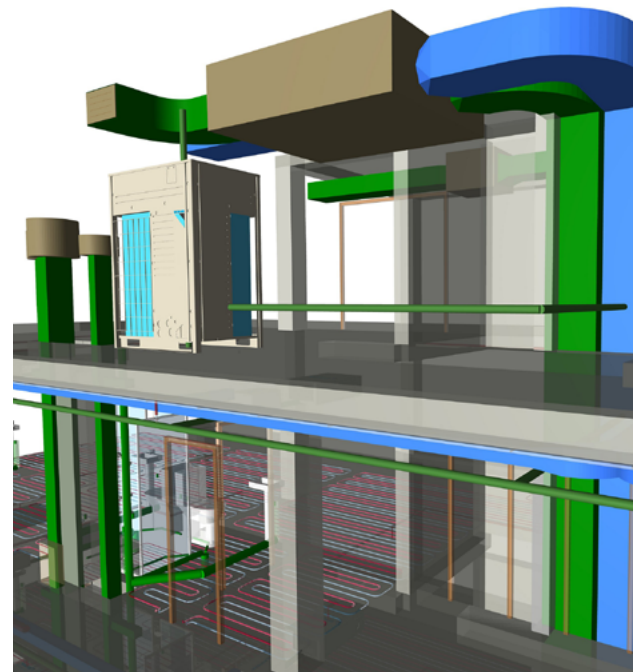


CYPETEL Wireless

Wi-Fi and Bluetooth coverage studies from BIM models in IFC.

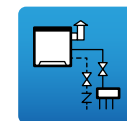
HVAC systems

Correct air conditioning design improves the comfort and efficiency of the building. **CYPETHERM LOADS** is used to analyse thermal loads and **CYPEHVAC** is used to design distribution, ventilation or cooling systems, and to generate drawings, diagrams and reports for an efficient and well-documented system.



CYPEHVAC

Complete design of HVAC systems: heating, ventilation and air conditioning.



CYPEHVAC Schematics

Create schematic diagrams for HVAC systems.

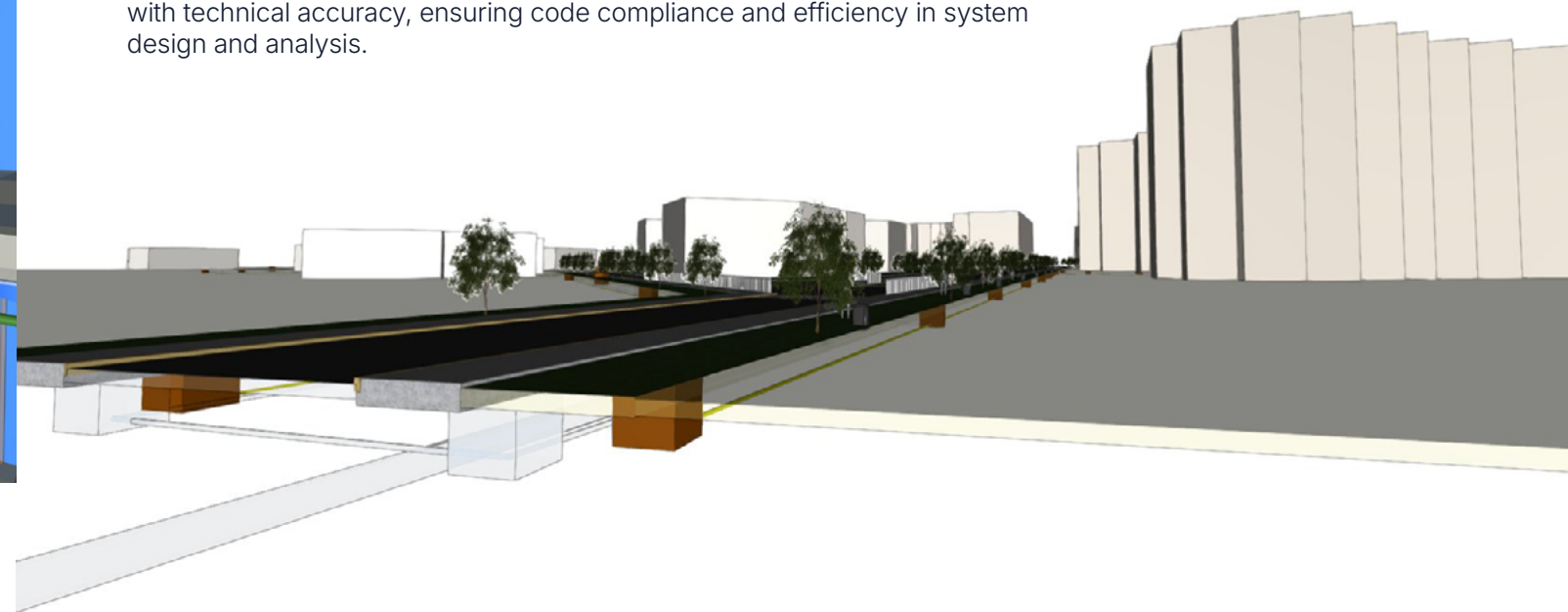


CYPEHVAC Radiant floor

Modelling and analysis of radiant floor systems in BIM projects.

Infrastructure

CYPE's suite of tools for urban infrastructure projects, including storm drainage, plumbing and water supply networks, combines BIM modelling with technical accuracy, ensuring code compliance and efficiency in system design and analysis.



CYPE Water Supply

Automatic design and sizing of meshed, branched or mixed water supply networks in urban environments.



CYPE Sewerage

Design and analyse branched sewerage networks with a single point of discharge in urban environments.



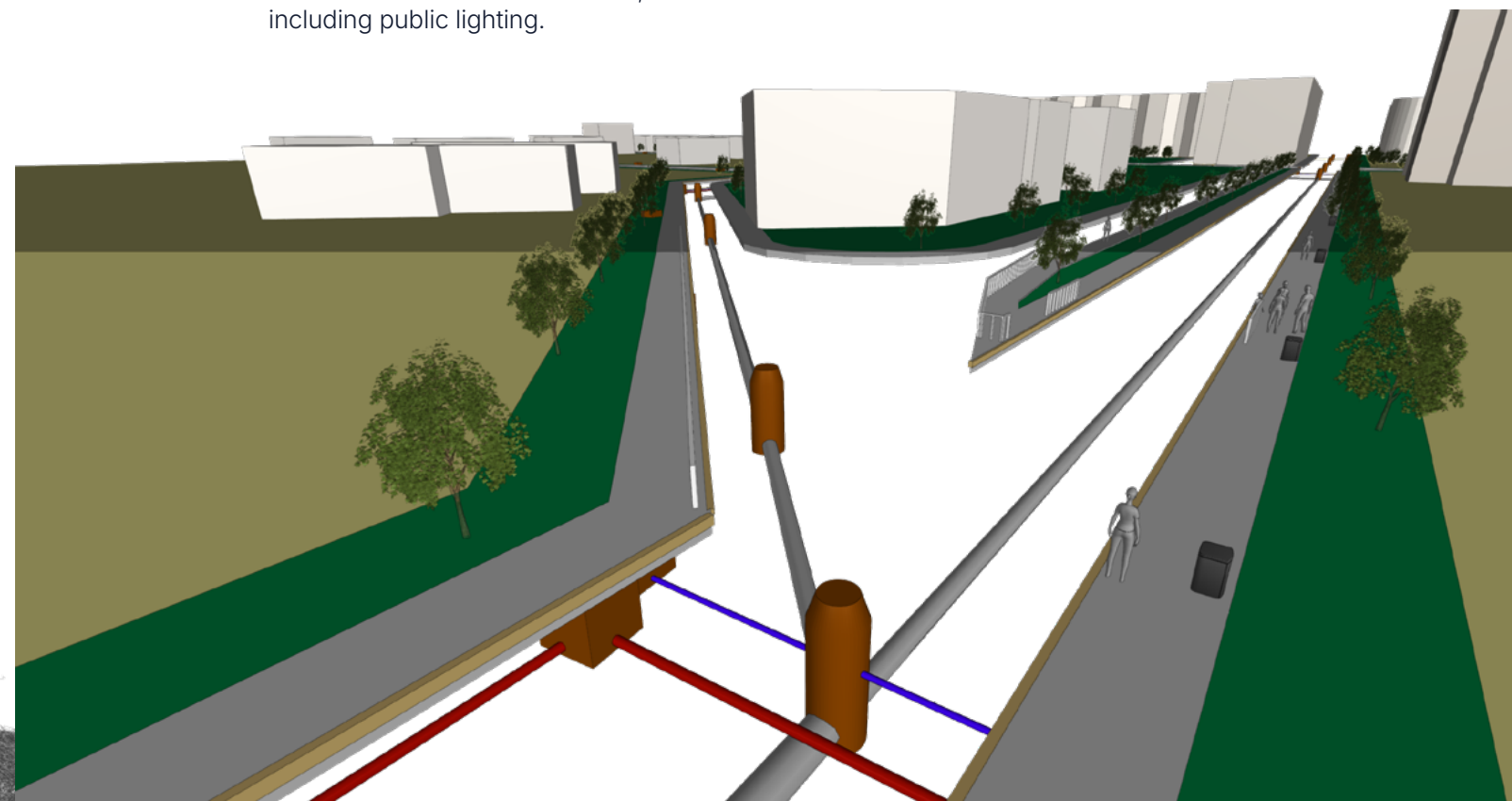
CYPE Electrification

Automatic design and analysis of medium- and low-voltage electrical networks in urban environments, including public lighting.



CYPE Gas Supply

Automatic design and sizing of gas distribution networks in urban environments.



Project management

An advanced BIM project includes multiple models and a lot of information. **Open BIM Model Checker** is used to check models and detect clashes. **CYPE Cost Estimator** and **Open BIM Quantities** estimate costs and extract quantities. Arquimedes manages bills of quantities. **CYPE Construction Works** makes it easy to plan on-site safety planning from the BIM model.



Arquimedes

Quantities, bills of quantities, certificates, specifications and user and maintenance manuals.



CYPE Cost Estimator

Automatic estimation of the cost of project execution in the initial phases.



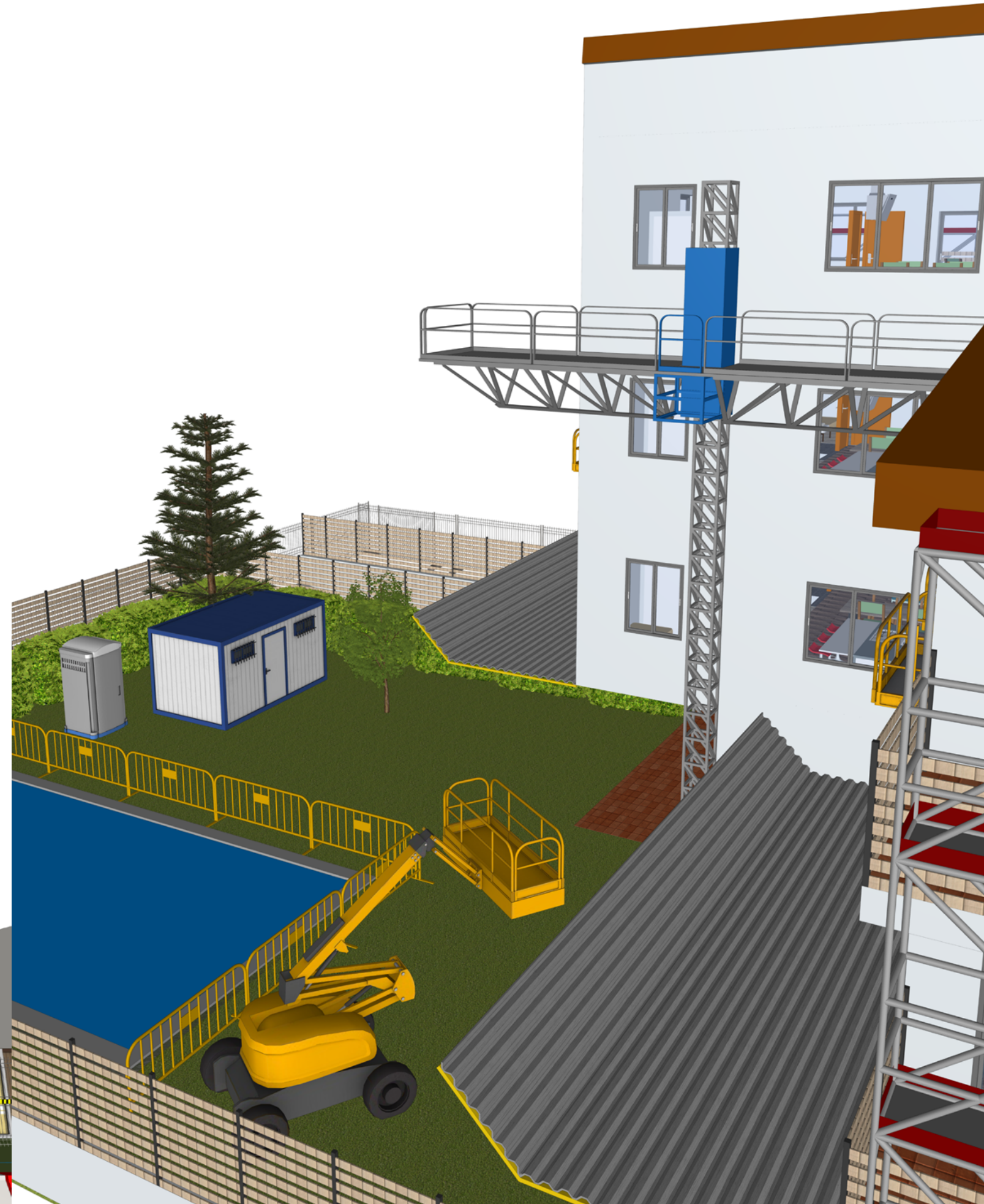
Open BIM Quantities

Generate bills of quantities from BIM models in IFC.



CYPE Construction Works

Modelling by job phases, with integrated health, safety and bill of quantities.



CYPE's Open BIM methodology makes collaborative work between disciplines and project participants easier, optimising technical decisions and managing data with clearly defined responsibilities. **BIMserver.center**, which has over 270,000 users, allows BIM models to be hosted, reviewed and viewed on the web, with augmented reality and virtual reality.



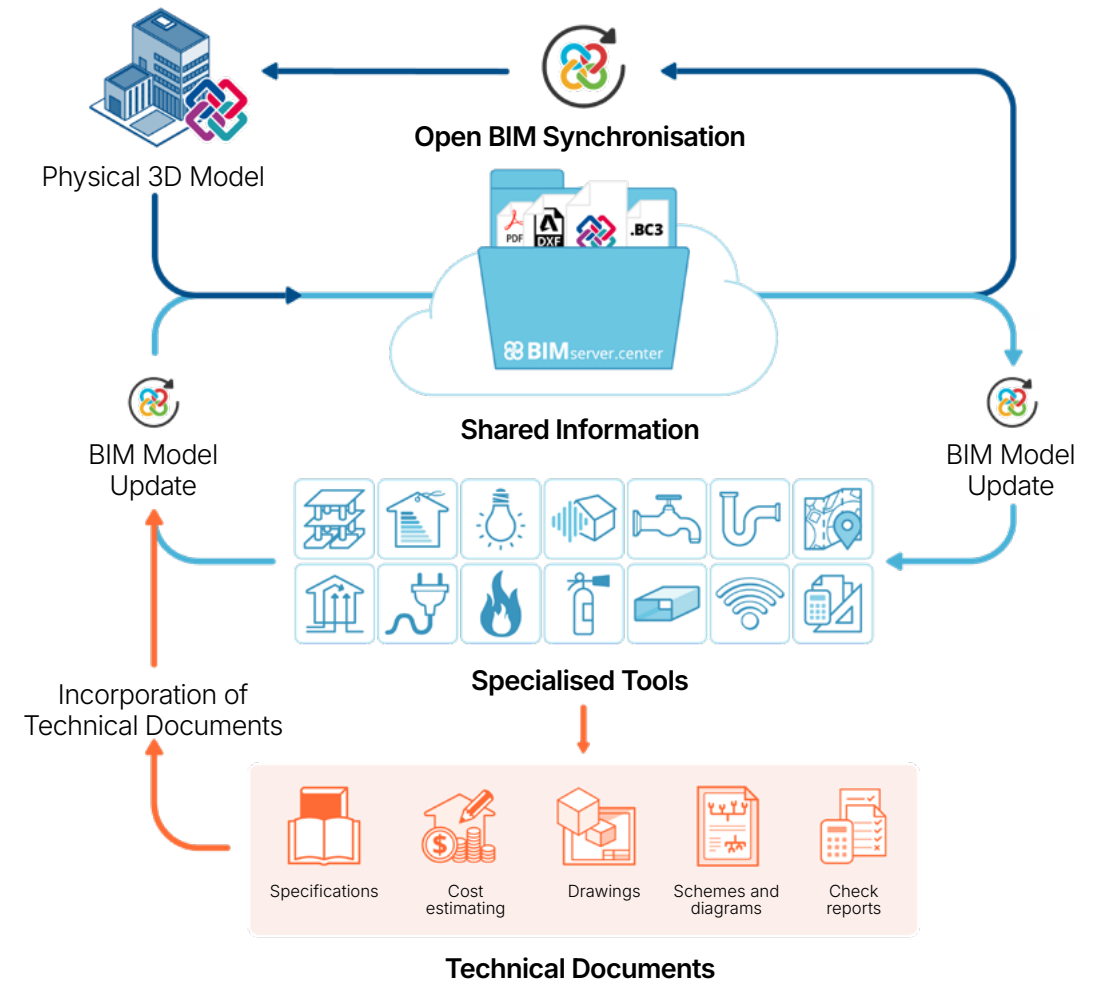
BIMserver.center Web

Check, view and manage BIM projects from any browser.



BIMserver.center Mobile

View and manage BIM projects from mobile phones, with augmented reality support.



Plugin Open BIM Revit™

Revit integration with CYPE tools by exporting and importing IFC files.



Virtual reality

Inspect and review BIM projects in an immersive virtual reality environment.



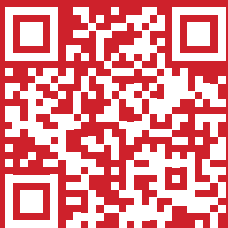
Augmented reality

View BIM models in AR from mobile phones or tablets and browse the project environment.



cype

BIM software for everyone



More information

©CYPE Ingenieros
Av. de Loring, 4
03003 Alicante, Spain
cype@cype.com
Tel. USA (+1) 252 495 6740
UK (+44) 203 769 3089
Spain (+34) 965 922 550

cype.com