plexos
Lean Project Management

ONE TOOL TO INTEGRATE THEM ALL

Architecture, engineering, and Construction (AEC) industry presents inefficiencies to provide reliable estimations regarding time and budgeting due to several causes, but mainly to the industry segmentation and the poor collaboration between stakeholders. Several studies expose that projects typically take 20% longer to finish and are up to 80% over budget.

Actually, this lack of productivity is faced in a disruptive transformation lead by BIM (Building Information Modeling) technologies and agile planning methodologies that allows to virtually build the asset in a collaborative environment, avoiding errors and reworks in construction site, with reliable estimations thanks to a collaborative workflow of information under the BIM concept

Plexos project® is a BIM construction management software developed to fulfill the construction industry needs, by the application of advanced and flexible scheduling tools under the collaborative BIM workflow platform BIMserver.center in IFC Format and Cost databases in cloud in FIEBDC format.
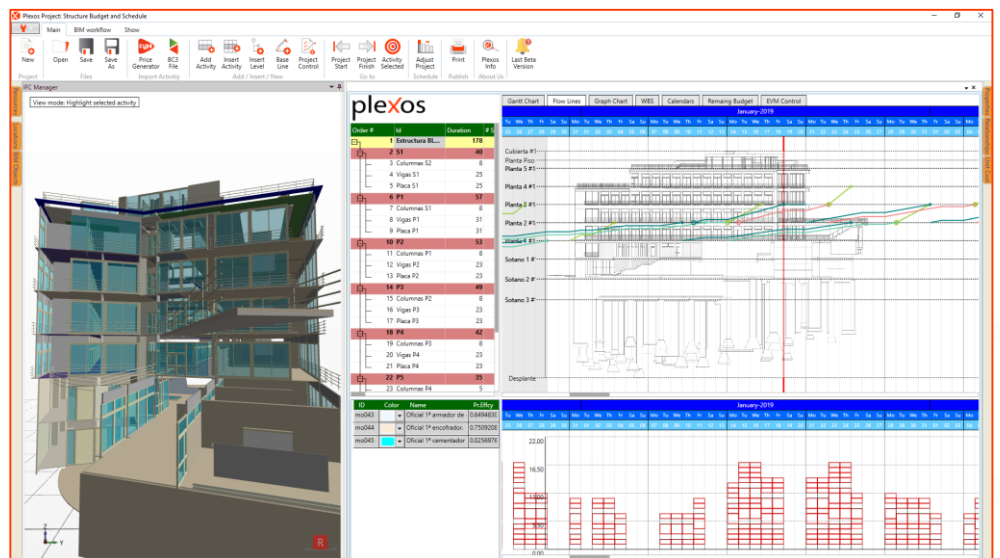

Plexos project® is a multiview software and friendly for users developed from academy to the AEC industry, that allows taking control of the project in all its dimensions and life cycle, trough cost and productivity control, efficiency indexes, and the most visual progress tools.
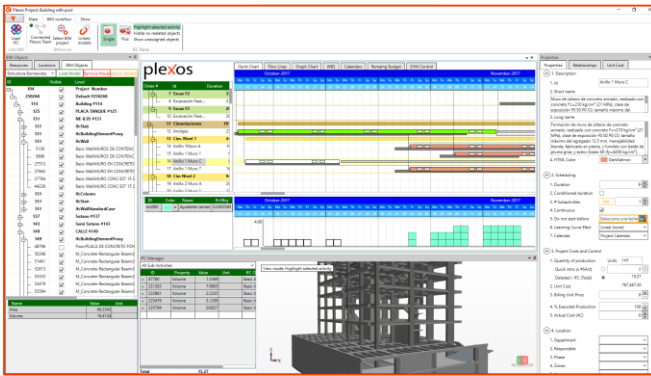
Costs
FIE BDC

BIM IFC
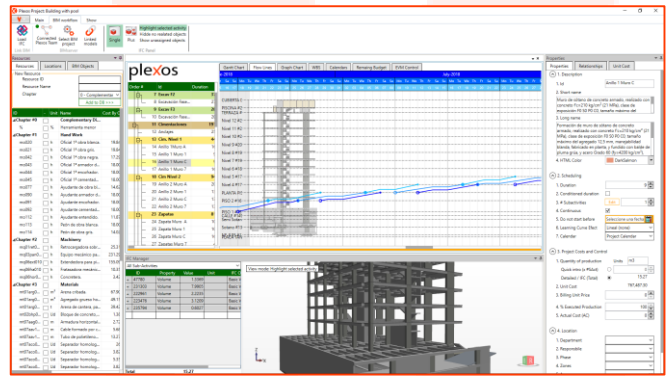
Collaboration
BIMserver

PROJECT SCHEDULING FEATURES

Plexos project® is designed for project planning and scheduling under Lean Construction and Last Planner System approaches, to provide feasible estimations with a friendly user experience.
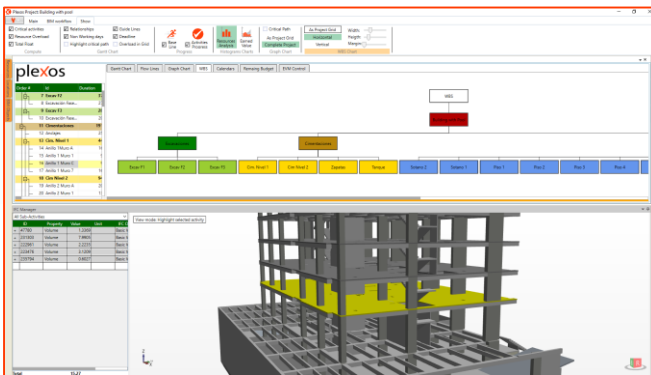
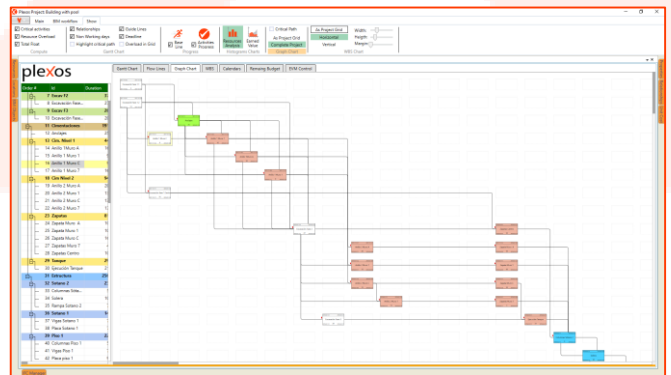### Gantt diagram with visual and intuitive information

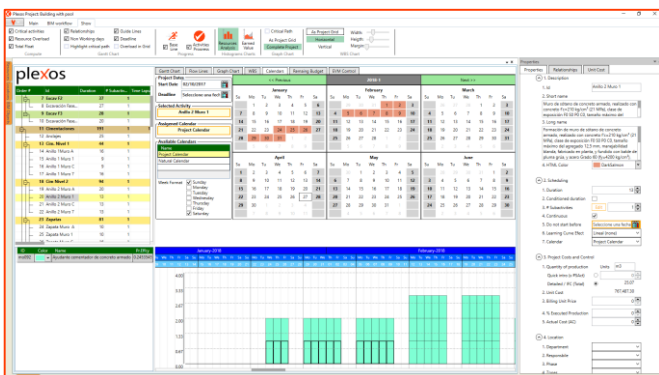### TAKT Scheduling (inline repetitive activities) and Project Flow lines

Automatic WBS (Work Breakdown Structure)

Automatic and intuitive Project graph diagram

Unlimited and friendly calendar management for activities and resources

Other scheduling features:

- All nature relationships between activities,
- Relationships based on production levels, effective work days and delays,
- Linear and nonlinear(applied learning) production schemes for activities,
- Optimal activity fragmentation,
- Discretional continuity between activities and sub-activities,
- Microsoft Project and Oracle Primavera compatibility.

plexos
Lean Project Management

BIM WORKFLOW FEATURES

Plexos project® works with BIMserver.center, as common data environment, to manage and store project shared information for a collaborative workflow with IFC files, compatible with the ISO/DIS 19650 stage 3 maturity level.

- Easy quantities extraction from models.
- Automatic levels detection and inclusion in the flow chart.
- Changes detection in federated model and automatic actualization of project budget.
- Assignment of several BIM Objects to activities or sub-activities.

plexos
Lean Project Management

BUDGETS AND COST CONTROL FEATURES

Plexos project® is compatible with BC3 file format (FIBDC council) and with cost and prices databases in the cloud, allowing to easily compute the budget of the project and export it in a dynamic Excel worksheet.

With **Plexos project®** controlling the project with the Earned Value Method is easy and intuitive, allowing the use of several baselines and exporting the reports in Excel dynamic worksheets.

- Cost database files (BC3) compatibility for individual activities and whole budgets.
- Integration with online cost databases.
- Automatic budgets generation.
- Efficiency indexes of resource consumption at activity and project level.
- Control project by EVM (Earned Value Management) with unlimited baselines and controls.