



INFRA BIM

Infrastructure Building Information Modelling

BETTER CONTROL

lower costs

The world of infrastructure requires special attention as regards their analysis and preservation, which is why ETS aims to ensure the high quality of its services by adopting the best BIM Workflow for every single project.

ETS operates through internal standards that allow it to follow a process that conforms to what is described in UNI 11337, BS / PAS 1192 and ISO 19650.

A well-designed BIM Workflow allows you to better address multidisciplinary projects through better control over coordination, planning of activities and resources:

this translates into a reduction of management costs and unplanned work.



BETTER MANAGEMENT

lower error

How to reduce the error in the design phase? ETS responds by applying the process quality standards since the acquisition phase of data and data investigation: from this information it follows the accuracy of the Digitization of the work (RetroBIM) and therefore of the choice of the design solutions. The planning of the activities, the regulation of the responsibilities and the consequent activities of coordination, verification and approval play a fundamental role.

A BIM Workflow that manages to coordinate data and stakeholders allows to reduce diseconomies linked to decision-making times, design times and errors due to inconsistency and / or non-sharing of data.



BETTER COMMUNICATION

more network



One of the main purposes of BIM is to collect, store, share and manage data. To ensure an optimal BIM Workflow, ETS manages its projects through a specific proprietary platform, the ETS Management System, to simplify and automate the design, construction, monitoring and data extraction.

There are many functions of the platform, including that of CDE as described in BS 1192:2007 and ISO 19650.

The platform is the first step for the definition of the Digital Twin with which to manage and monitor the infrastructure through the digital model.

BIM WORKFLOW - Design

The digitalization process follows a specific BIM Workflow which is able to guarantee an higher control of the involved elements and to accelerate the modeling thanks to the development of a parametric library.

