

sando

**GRUPO SANDO BIM
MANAGEMENT POLICY**

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1. Grupo Sando BIM Management Policy

Overview of the market

The SANDO Group understands the application of the BIM (Building Information Modeling) approach as a valuable instrument for achieving our fundamental premise: to give full satisfaction to our clients. With this in mind, we have been observing technological development in general and, more specifically, the advance towards digitalisation and Industry 4.0 as the right path that will allow our company to become a leading company and a benchmark in the use of BIM in the market.

This path of digital transformation involves implementing BIM and integrating it into the SANDO Group's operational processes. This represents a substantial improvement in communication, information transfer, and transparency between all the agents involved in the design, construction, and maintenance of any asset.

BIM Approach

The SANDO Group understands BIM as an integral tool that can not only cover the entire life cycle of an asset but can also be developed transversally between all the agents and departments involved in each contract.

This global approach is transformative and will allow its implementation to bring about significant improvements not only in the company's productivity and efficiency but also in other aspects, such as those associated with quality management and innovation.

Commitment to BIM

Because of the above market overview, Grupo SANDO made the firm decision to implement BIM in all work related to Construction Projects, Design, Modelling, and the BIM Management Office. This was communicated and approved by Grupo SANDO's management for all its divisions and departments.

This firm decision is corroborated and confirmed by the drafting of this document, which aims to convey publicly the company's vision and commitment to BIM within the framework of integrating this approach into our operational processes.

Therefore, the SANDO Group's management reiterates this decision and undertakes to provide the necessary means and resources to achieve it. It also assumes a decisive leadership role in the process as it sees it as a key challenge for future development that will allow us to continue to be perceived as a business group of reference in the construction and development of infrastructures associated with our business areas.

BIM Purpose

With the implementation of BIM in its contracts, the SANDO Group has the following general aims:

- Avoid rework by capturing relevant information once throughout the lifecycle.
- Encourage information exchange and coordination between actors, fostering and increasing collaboration.
- Focus on the production and use of information.
- Generate information during the design and construction process, which is ready for delivery to the client and end users once it is completed.
- Use of 3D models to include information attributes, plans, reports, ...
- Implement technologies that support the objectives set, recognising the evolving nature of BIM.
- Encourage innovation in the company to generate lines of research and development and digital evolution of the company in general.

Sando Group BIM objectives

The situation analysis carried out leads us to establish certain objectives of the company to be implemented through BIM:

- Use of BIM methodology and BIM models as a way of working.
- Centralise and control all documentation in a collaborative environment platform.
- Encourage the use of BIM methodology for process optimisation.
- Encourage collaborative work as a tool for collaboration.
- Establish the use of BIM software and be able to work in all types of formats.
- Promote BIM training among its teams.
- Improve the competitiveness of the company's staff.

2. Development of contracts under the BIM methodology

Within life cycle of the asset, the SANDO Group participates in various phases throughout the life cycle of the constructed assets, Sando Construction mainly in the

design and construction phase and occasionally only in the design phase (in the case of a design-build contract) both in BIM technical assistance, modelling, model auditing and BIM Management Office and the maintenance phase with the incorporation of the use of BIM technology in the Conservation Area, Conacon. These services are described in the corresponding BIM Process Procedure in the BIM Manual.

3. Organisational Information Requirements (OIR)

According to UNE EN ISO 19650-1, the procuring party must establish Organisational Information Requirements (OIR) based on its overall strategy, asset management, regulatory obligations or internal policy development.

In a scenario in which the SANDO Group is the main contractor, it must respond to its client's RIOs, guaranteeing the transmission of the necessary information.

4. Exchange of Information Requirements (EIR)

According to the UNE EN ISO 19650-1 standard, it is also established that, in each project, the Information Exchange Requirements (EIR) must be stipulated from the Project Information Requirements (PIR) and in accordance with the Organisational Information Requirements (OIR).

To define these requirements, the SANDO Group will be involved on a case-by-case basis, depending on the role adopted, whether it is responsible for design or only for construction. In any case, an EIR document is available with the minimum requirements demanded by the SANDO Group and subsequently defined in the BEP for each project.