



# BIM SERVICES – BIM MODELING

Item Nr #123456



**Modeling the Hilti MEP Supports as designed in the Hilti Design Core and/or the Hilti Design Specifics. The Hilti delivered model is passed through an engineering quality control and respectful of the Project BIM models. Any applications uncovered to be beyond the scope of the Design Core or for which Hilti has not provided a design will be marked accordingly in the BIM model, but will not be modeled.**

## Deliverables

- **Hilti BIM-model for MEP Supports** (aspect model) based on the output of Hilti Design Core or Hilti Design Specifics services and the customer's provided Project BIM-models. Engineering reports linked in the parameters of each modeled Hilti MEP Support.
- **Engineering post-modeling review meeting** to ensure the service output is respectful of the project requirements, engineering design and thus assuring solution integrity.
- **Report of exceptions (issues)** uncovered to be beyond the Hilti Design Core or without solutions defined in the Hilti Design Specifics.

## Scope

- **Only MEP Supports designed by Hilti will be modeled**, thus Design Core or Design Specifics services are a pre-requisite to BIM modeling.
- **Hilti is equipped with Autodesk Revit**, thus Project BIM-models must be available in Revit native format or otherwise IFC formats.
- **Overall clash detection is out of scope.** Nonetheless, while modeling, Hilti will use its best efforts to preempt and duly report possible clashes between the Hilti BIM-model and other Project BIM-models.

## Execution

- Service will be performed by a **Hilti BIM modeler** with the support from a **Hilti engineer**, usually the designer of the support solutions.
- **Service will only start once Hilti receives and confirms the Service Order**, customer has provided all Project Requirements and the exact scope of work and estimated delivery date has been agreed upon.

## Customer duties

- **Access to the Project BIM-models**, located in the Common Data Environment, indicating clearly which models must be considered.
- **Proactively inform Hilti in case of changes** to the Project BIM-models and/or Project Requirements. While Hilti will use its best efforts to deliver on the originally estimated date, with project changes a new delivery date and service charges will need to be agreed upon.
- For project coordination the **Model Reference Point** shall be established before Hilti starts modeling.
- **Review service output** within 5 working days and raise any defects in writing to Hilti during this period.

## Payment

- The service will be invoiced based on hourly rate. **Lumpsum will be provided** based on given Project Requirements and Project BIM-models.
- The service will be charged according the agreed payment schedule.

## Complementary

- This service description only applies together with the Hilti BIM Protocol and the BIM Framework Agreement or alternatively the Hilti standard terms & conditions of sale available at [www.hilti.co.za](http://www.hilti.co.za) apply.