



Add value.  
Inspire trust.

## ISO 19650 implementation and compliance

Optimise your building information  
management



### The challenges

Information Management has become critical for any stakeholder in a construction project due to rising volume and complexity of digital information. An example is the application of Building Information Modeling and integrated commercial and technical processes such as sustainability measures, maintainability and safety analysis as well as digital cost and quantity optimisations for the best CAPEX and OPEX. Therefore, many businesses have adopted ISO 19650 to standardise the managing of information over the lifecycle of their built assets. The standard covers a range of services from identifying concepts and principles, to operation and delivery of assets.

With TÜV SÜD globally proven best practices and project templates for ISO 19650, businesses will gain access to project templates, documents, Common Data Environment (CDE) workflows and training recordings

with unlimited copyrights. Unnecessary consulting fees and unquantifiable outcomes due to impractical training can be also eliminated.

### The benefits of TÜV SÜD ISO 19650 compliance program

- Reduce BIM coordination and management costs by about 70%, and project management costs by about 10%.
- Reduce overall data management costs during design and construction phase by about 15%.
- Reduce CDE software/SaaS costs by 2-5% by using IT render templates.
- Save up to 50% of the time during programming and project ramp up phases.
- Increase internal productivity by up to 40%.
- Accelerate the ROI of your purchased CDE by about 30%.

# TÜV SÜD ISO 19650 compliance program

## Readiness Index:

An inexpensive and short assessment is carried out to understand your level of compliance and to discover existing gaps.

Based on reviews, interviews, BIM model checks and TÜV SÜD ISO 19650 Readiness Index, a compliance score will be derived. TÜV SÜD experts will then explain the results and needed measures based on the various ISO 19650 levels.

## Onboarding and Implementation:

Depending on the results of the Readiness Index and using a stepwise approach, TÜV SÜD Real Estate experts will implement the necessary measures and trainings to help you achieve ISO 19650 compliance. This is to allow you to apply ISO 19650 for projects, adding proven templates and best practices to the organisation or projects such as suitable job descriptions, correct company or project structures/hierarchies, pragmatic information requirements, as built/asset information specifications, CDE workflow and meta data blueprints.

## Letter of Compliance:

Once the correct use of ISO 19650 measures are demonstrated, TÜV SÜD will issue the letter of compliance. With TÜV SÜD globally proven best practices and project templates, you will gain access to project templates, documents, CDE workflows as well as training recordings with unlimited copyrights. This prevents investments in unnecessary ISO 19650 framework research and impractical trainings.




## Add value. Inspire trust.

TÜV SÜD is a trusted partner of choice for safety, security and sustainability solutions. It specialises in testing, certification, auditing and advisory services. Through more than 25,000 employees across over 1,000 locations, the company adds value to customers and partners by enabling market access and managing risks. By anticipating technological developments and facilitating change, TÜV SÜD inspires trust in a physical and digital world to create a safer and more sustainable future.

## Related services

TÜV SÜD provides the following related services:

- BIM Management
- BIM Model Check
- Building Automation

	Documentation required				CDE workflow				
	Assessment and Need (ISO 19650-2, 5.1)	Invitation to tender (ISO 19650-2, 5.2)	Tender response (ISO 19650-2, 5.3)	Appointment (ISO 19650-2, 5.4)	Mobilisation (ISO 19650-2, 5.5)	Collaborative Production of Information (ISO 19650-2, 5.6)	Information Model Delivery (ISO 19650-2, 5.7)	Project Close Out (ISO 19650-2, 5.8)	
 <b>Appointing party: Building owners &amp; Project owners</b> <i>(ISO 19650-1, 3.5)</i>	<div style="border: 1px solid black; padding: 5px;">                     Exchange Information Requirement (EIR)                     <ul style="list-style-type: none"> <li>• Organisational (OIR)</li> <li>• Project (PIR)</li> <li>• Assets (AIR)</li> </ul> </div>					<ul style="list-style-type: none"> <li>• Test the information delivery</li> </ul>	<ul style="list-style-type: none"> <li>• Submit information (model) for appointing party acceptance</li> <li>• Reviews of the information model</li> </ul>	<ul style="list-style-type: none"> <li>• Submit information (model) for appointing party acceptance</li> <li>• Review and accept information model as deliverable</li> </ul>	<ul style="list-style-type: none"> <li>• Archive project's CDE</li> <li>• Capture lessons learnt for future projects</li> </ul>
 <b>Appointed party: Consultants &amp; Contractors</b> <i>(ISO 19650-1, 3.4)</i>			<div style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> <li>• Pre-appointment BIM Execution Plan (BEP)</li> <li>• Mobilisation Plan</li> <li>• Risk Register</li> </ul> </div>	<div style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> <li>• BIM Execution Plan (BEP)</li> <li>• Responsibility Matrix</li> <li>• Master Information Delivery Plan (MIDP) Sub-appointment party / parties EIR</li> </ul> </div>					
 <b>Sub-contractors</b> <i>(ISO 19650-1, 3.7)</i>			provide input ...	provide input ...	<div style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> <li>• Task Information Delivery Plan (TIoDP) provided by respective sub contractors</li> </ul> </div>	<ul style="list-style-type: none"> <li>• Mobilise resources;</li> <li>• Mobilise information technology</li> <li>• Test the agreed information production methods and procedures;</li> <li>• Information modeling by delivery team(s)</li> </ul>	<ul style="list-style-type: none"> <li>• Check availability of reference information, shared resources</li> <li>• Generate information</li> <li>• Complete quality assurance check</li> <li>• Review information and approve for sharing;</li> <li>• Information model review</li> </ul>	<ul style="list-style-type: none"> <li>• Submit information model for appointed party authorisation</li> <li>• Review and authorise the information model</li> <li>• Submit information model for appointing party acceptance</li> <li>• Review and accept the information model</li> </ul>	