

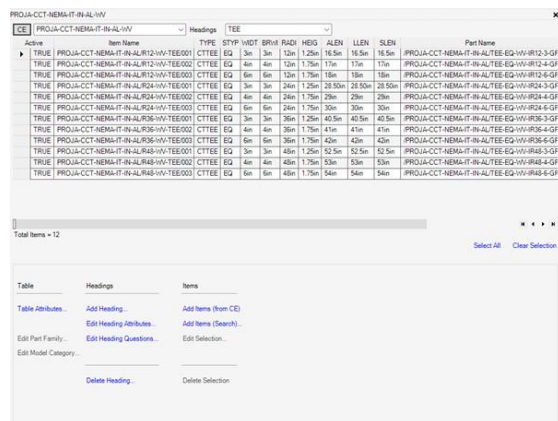
Cable way specifications for E3D

Specification and Catalogues

Summary

TecSurge provides a service in which we prepare and maintain cable way specifications and catalogue data for use in 3D modelling environments, such as AVEVA E3D Design (E3D). Our deliverables are developed from engineering specifications, datasheets, and supplier or vendor information, and are aligned with NEMA standards for cable management systems.

By adhering to NEMA classifications and industry best practices, we ensure that cable way specifications and catalogues are accurate, consistent, and suitable for reliable use in 3D design and project execution.

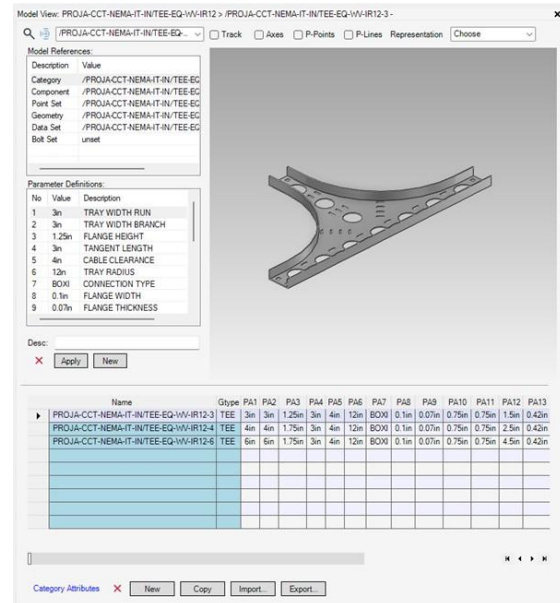


Item Name	TYPE	STYP	WIDT	BRIH	RADI	HIG	ALEN	SLEN	Part Name
PROJA-CCT-NEMA-IT-IN-AL-R12-3	CTTEE	EQ	3in	3in	1.25in	15.5in	15.5in	15.5in	PROJA-CCT-NEMA-IT-IN-AL-TEE-EQ-WV-R12-3-GF
PROJA-CCT-NEMA-IT-IN-AL-R12-4	CTTEE	EQ	4in	4in	1.25in	17.5in	17.5in	17.5in	PROJA-CCT-NEMA-IT-IN-AL-TEE-EQ-WV-R12-4-GF
PROJA-CCT-NEMA-IT-IN-AL-R12-5	CTTEE	EQ	5in	5in	1.25in	18.5in	18.5in	18.5in	PROJA-CCT-NEMA-IT-IN-AL-TEE-EQ-WV-R12-5-GF
PROJA-CCT-NEMA-IT-IN-AL-R12-6	CTTEE	EQ	6in	6in	1.25in	19.5in	19.5in	19.5in	PROJA-CCT-NEMA-IT-IN-AL-TEE-EQ-WV-R12-6-GF
PROJA-CCT-NEMA-IT-IN-AL-R12-7	CTTEE	EQ	7in	7in	1.25in	20.5in	20.5in	20.5in	PROJA-CCT-NEMA-IT-IN-AL-TEE-EQ-WV-R12-7-GF
PROJA-CCT-NEMA-IT-IN-AL-R12-8	CTTEE	EQ	8in	8in	1.25in	21.5in	21.5in	21.5in	PROJA-CCT-NEMA-IT-IN-AL-TEE-EQ-WV-R12-8-GF
PROJA-CCT-NEMA-IT-IN-AL-R12-9	CTTEE	EQ	9in	9in	1.25in	22.5in	22.5in	22.5in	PROJA-CCT-NEMA-IT-IN-AL-TEE-EQ-WV-R12-9-GF
PROJA-CCT-NEMA-IT-IN-AL-R12-10	CTTEE	EQ	10in	10in	1.25in	23.5in	23.5in	23.5in	PROJA-CCT-NEMA-IT-IN-AL-TEE-EQ-WV-R12-10-GF
PROJA-CCT-NEMA-IT-IN-AL-R12-11	CTTEE	EQ	11in	11in	1.25in	24.5in	24.5in	24.5in	PROJA-CCT-NEMA-IT-IN-AL-TEE-EQ-WV-R12-11-GF
PROJA-CCT-NEMA-IT-IN-AL-R12-12	CTTEE	EQ	12in	12in	1.25in	25.5in	25.5in	25.5in	PROJA-CCT-NEMA-IT-IN-AL-TEE-EQ-WV-R12-12-GF

Example of an E3D Cable Channel Specification

Differentiators

- Over 40 years of combined team experience with E3D
- Extensive expertise in developing and maintaining catalogues and specifications
- Deep understanding of engineering design procedures and requirements
- Quality assurance for all delivered catalogues and specification



Example of an E3D Cable Channel Catalogue Item

Deliverables

The primary deliverables from this service consist of data files which can be imported directly into the target plant design systems, such as:

- DABACON databases
- DATAL files

Work Process

TecSurge manages the preparation of catalogues and specifications as a professional services project, involving a dedicated project manager and our expert services team. The project schedule is organized based on milestones aligned with client priorities.

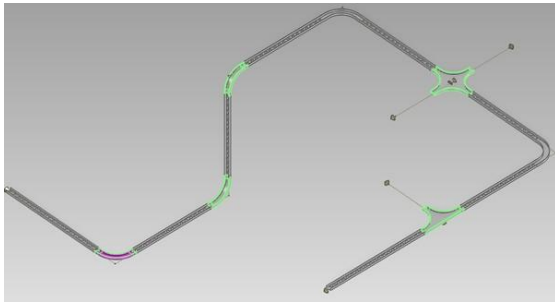
The priorities and deliverables associated with each milestone are approved by the client during the project kick-off meeting, after which the detailed execution commences.

The detailed execution consists of the following steps:

1. Verify reference documents and input data
2. Review the input cable way specifications



3. Identify or create catalogue and GPART families for all components
4. Add weight and material data for all components
5. Create selection tables for cable way specifications
6. Perform testing and validation in E3D
7. Export DATAL files



Example of Cable Channel Placed in E3D

Quality Assurance

At TecSurge, we ensure that all the catalogues and specifications created for our clients are not only fully functional but also exceed their expectations. We guarantee that all deliverables are based on the verified input data they have provided. Our quality process includes 3D modelling testing, reports, and consistency checks using standard application functions. After successful testing, we will send the handover package for client verification. Once our clients confirm acceptance of the catalogues and specifications, we welcome their comments and feedback. Any issues raised will be promptly addressed to ensure a smooth final handover and project completion.

Getting Started

Typically, we require our clients to prepare all the necessary input data/documents (standards, datasheets, specifications) to start the project. TecSurge will review and validate the input data to ensure it contains all necessary information without conflicts. We will also inquire about the following:

What version of E3D are you using?

Why: Ensuring full compatibility on different E3D versions and testing in your required environment.

What specific types of catalogues and specifications are required?

Why: The scope of catalogue and specification types (e.g., cable trays, fittings, accessories) directly impacts the level of detail, time, and effort required for accurate data capture and modelling.

When is your target completion date, and when do you expect to start?

Why: Answers to these project management parameters can significantly impact costs.

If this service describes your situation, and you can provide the engineering inputs and answers to the questions listed here, please [contact us](#) today for a quotation.

Contact us

sales@tecsurge.com

