

2015

Electrical@CATIA



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CATIA

THE DIGITAL PRODUCT EXPERIENCE



Contents

Course	Subject	Code	Duration (day)
<u>2.1.8</u>	<u>Electrical@CATIA</u>		
	CATIA Electrical Librarian and Harness installation	CAT-H01	2
	CATIA Electrical Wire Routing	CAT-H02	1
	CATIA Electrical Harness Flattening	CAT-H03	1

Please do not hesitate to call **MAWEA** at **03-7783 3459** for further info or **FAX to 03-77816818** for registration.

MAWEA INDUSTRIES SDN. BHD. (356204-A)

30D, Jalan PJS 1/46, Petaling Utama, 46000 Petaling Jaya, Selangor, Malaysia.

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CATIA

THE DIGITAL PRODUCT EXPERIENCE

CATIA V5 TRAINING – ELECTRICAL LIBRARIAN AND HARNESS INSTALLATION



Venue : MAWEA TRAINING CENTRE (Petaling Jaya, Selangor)

Date : TBC

Duration/Time : 2 Days (9.00 a.m. to 5.00 p.m.)

Introduction

This course will teach you how to create an Electrical Components Catalog. You will learn how to design harnesses, create bundle segments, and connect them to electrical components. You will also learn how to manage the branch points, protections, and links and perform knowledge checks.

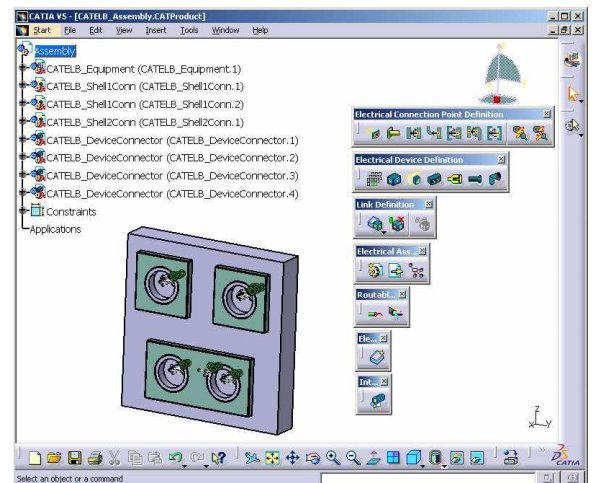
Objectives

Upon completion of this course you will be able to:

- Build and manage an Electrical Components Catalog
- Design a harness that is integrated within the Digital Mock-Up
- Connect bundle segments to electrical components

Contents

- Introduction to Electrical Library Products
- Electrical Components Definition
- Electrical Librarian Catalog Management
- Electrical Assemblies
- Introduction to Electrical Harness Assembly & Installation
- Electrical Harness Settings
- Creating a Geometrical Bundle Segment
- Managing Branch Points, Branches and Local Slack
- Managing Protections
- Links Management
- Support Management
- Measuring Geometrical Bundle Inertia
- V4 V5 Data Migration
- Wire Management
- Importing Electrical External Data For 3D Implementation



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THE DIGITAL PRODUCT EXPERIENCE

CATIA V5 TRAINING – ELECTRICAL WIRE ROUTING



Venue : MAWEA TRAINING CENTRE (Petaling Jaya, Selangor)

Date : TBC

Duration/Time : 1 Day (9.00 a.m. to 5.00 p.m.)

Introduction

This course introduces you to the Electrical Wire Routing workbench. You will learn how to route signals and create wires using a harness and a functional definition. You will also learn how to integrate external tools with CATIA's Electrical Products.

Objectives

Upon completion of this course you will be able to:

- Route signals
- Create wires
- Integrate external tools with CATIA's electrical products

Contents

Introduction to Electrical Wire Routing

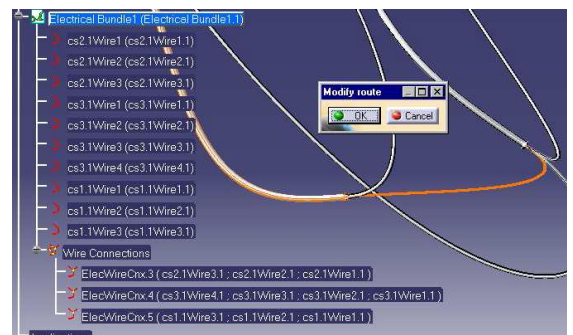
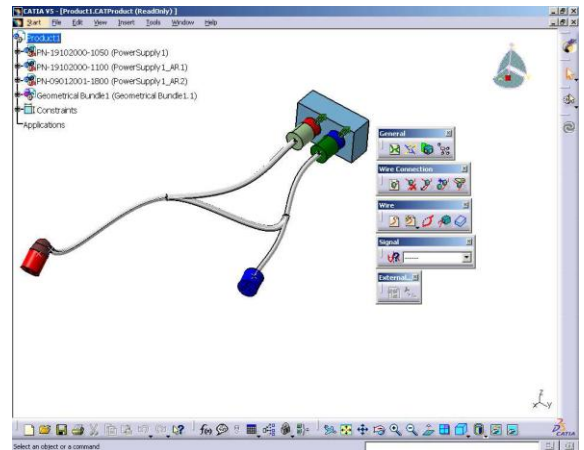
- Accessing the Electrical Wire Routing Workbench
- The User Interface Elements
- Setting Up the Options

Importing External Data

- Importing External Electrical Data for 3D Implementation
- Importing External Data
- Automatic Routing
- Simulating the Route
- Knowledgeware / Routing Rules

Managing the Wires

- Modifying the Route
- Managing the Extremities
- Assigning the Wires
- Exporting the Wires Information



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CATIA V5 TRAINING – ELECTRICAL HARNESS FLATTENING



Venue : MAWEA TRAINING CENTRE (Petaling Jaya, Selangor)

Date : TBC

Duration/Time : 1 Day (9.00 a.m. to 5.00 p.m.)

Introduction

This course introduces you to the Electrical Harness Flattening workbench. You will learn how to flatten and synchronize an electrical / geometrical harness integrated within the Digital Mock-Up. You will also learn how to modify the bundle segments of a harness. Additionally, the course teaches you how to define and generate a report. It teaches you how to create a 2D drawing of a 3D harness. You will also learn how to create a Catalog Text Template for annotations and dimensions.

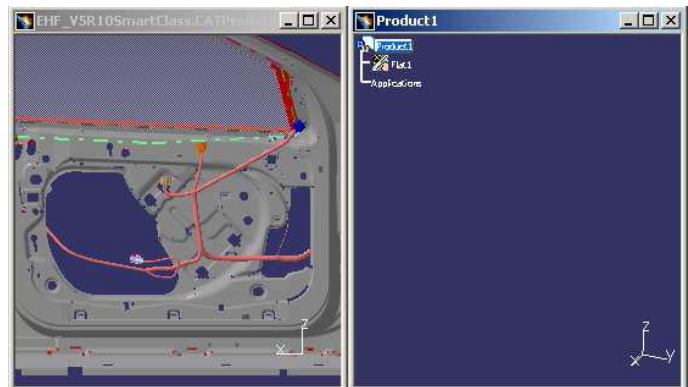
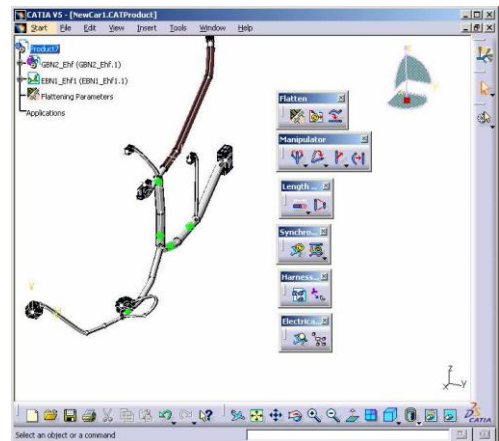
Objectives

Upon completion of this course you will be able to:

- Flatten and synchronize the electrical or the geometrical harnesses
- Modify the bundle segments of a harness to fit your drawing
- Define and generate reports
- Create 2D drawings of 3D harnesses
- Create Text Templates Catalog

Contents

- Introduction to Electrical Harness Flattening
- Harness Flattening Parameters
- Harness Flattening Modifications
- Synchronize Flattened Harness
- Report Generation
- Creating Harness Drawings
- Creating Text Template Catalogs
- Replacing Graphic Representations
- Generate Annotations Automatically



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