

ABHIJEET M. PATIL

(BE Electrical)

Wiring Harness Design Engineer

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Profile summary

I have 4+ years of experience in wiring harness design (automotive), 2D drawing preparation and in 3D routing of electrical wiring harness in CATIA-V5 R26 work environment.

SKILLS

3D Routine, Flattening and drafting	CATIA V5R26
2D drawing creation	i-Harness
IFD drawing creation	AutoCAD Basic
Drawing Release	
BOM, Wire list creation	
Harness Manufacturing and design process	

Work Experience

Company : APTIV COMPONENTS INDIA PVT. LTD. Pune (Jan 2022 to Till Date)

Designation : Product Design Engineer.

Working Project : VOLVO XC90 (V526)

: VOLVO XC 60 (V426)

Environment : I-Harness

Description:

- Receive CR input from service centre.
- Preparation of 2D drawing as per customer requirement.
- 2D drawing and AD Preparation.
- Module matrix and wire-list update for KSK and Batch harness.
- Generate final Wire list-BOM, Sub-Assembly report and compare with old data.
- Upload final Output on SPMS and Co-ordinate with ME.
- Responsible for drawing release and migration of drawing 4.06.05 to 4.12.05 version.
- Coordination with key user, Component & GSD team and ME.

Previous Experience

Company : Empulse Global, Bangalore. (Jun 2021 to Dec 2021)

Designation : Design Engineer

Client : FOUTS BROS, USA

Environment : CATIA V5 R26.

Company : Arrow Engineering Services, Pune. (June 2018 to May 2021)

Designation : Design Engineer

Client : Empulse Global, Bangalore

Environment : CATIA V5 R26

Project executed

Title 1 : 3000 Gallon Super tanker (Fire Truck).

Description:

- Received loaded “Fire Truck” from client.
- Electrification of component in Electrical Part Design.
- Implement customer Change request in 3D wiring Harness.
- Routine the electrical wire on 3D body with considering design parameters of surrounding part.
- Prepare Pre-delivery Checklist chart.
- BOM and address sheet with all inputs as per wiring harness drawing
- Preparation of IFD drawing.

Title 2 : Brush truck, FOUTS BROS Fire Equipment.

Description:

- Responsible for 3D routine & customer change requests.
- Electrification of component in electrical part design.
- Provide input for 2D drawings for manufacturing.
- Prepare Pre-delivery Checklist chart.
- BOM and address sheet with all inputs as per wiring harness drawing
- Preparation of IFD drawing.

Title 3 : Smyrna Trucks & Cargo (Western & Flat Bed 16FT)

Description:

- 3D wiring Harness routine.
- Involved in Basic Circuit schematics and junction box pin out detail preparation.
- 2D drawing for harness manufacturing.
- IFD drawing preparation.
- Wire list BOM, splice chart preparation.
- After proto sample conduct fitment trial test.(Client End)
- collect change request from client and implement changes in drawing as per requirement.

Other Projects:

- 2000G super tanker
- Pumper Truck (Regular & Crew Cab)
- Van body 16Ft & 24 ft
- Fouts Four truck

Previous Experience

Company : Ravi Electrics Pune (Jan 2016 to Apr 2018)

Designation : Project Engineer.

Client Name : Forbes Marshal, Pune.

Description :

- Electrical panel design, wiring modification as per requirement.
- Installation of all Instrument, MCC and PLC Panel, Motors.
- Provide Cabling and connections to instrument and motors.
- After installation we had done testing and commissioning of instrument.
- Preparation of measurement sheet and billing.

Academic Details

Exam	University/Board	Year	Percentage	Class
B.E.(Elect.)	Shivaji University, Kolhapur	2014-15	65.19	First Class
H.S.C.	Kolhapur Divisional Board	2009-2010	58.33	Pass
S.S.C.	Kolhapur Divisional Board	2007-2008	71.53	First Class

Software Skills

- CATIA V5R26 (3D)
- I-Harness (2D)

Personal details

Father's Name : Patil Mahavir Adagonda

Permanent Address : A/P: - Chipri, Tal:-Shirol, Dist.:-Kolhapur-416101

Date of Birth : 13th Aug 1992

Marital Status : Married

Passport : S0447839

DECLARATION:

I consider myself familiar with Electrical Engineering Aspects. I am also confident of my ability to work in a team.

I hereby affirm that all information in this documents is accurate and true to the best of my knowledge.

Date :

Place : Pune

(Abhijeet M Patil)