

## Industrial Engineering Syndicate (INENSY)

### Designing Panel Mounted Combination Switch with SOLIDWORKS Solutions

**INENSY**

INDUSTRIAL ENGINEERING SYNDICATE

ISO 9001 / IATF 16949 Certified Company

Industrial Engineering Syndicate (INENSY) an ISO 9001 / IATF 16949 certified organization, made its inroads in the Auto Electrical Component industry in the year 1964 under the aegis of Mr. Ramesh M Shah. INENSY is one of the leading manufacturers and suppliers of Electro-Mechanical and Auto-Electrical Switches. INENSY's specialty lies in providing robust, environment resistant switches which are immune to water, dust and vibration. Predominantly catering to the needs of OEMs belonging to segments like Heavy earth moving equipments, Tractors, Heavy & Light commercial vehicles INENSY has been a part of the Auto-Electrical component industry for more than four decades.



#### Challenges:

- ❖ Generating Animation for presentation.
- ❖ Interferences between components could be only found during the assemble process.
- ❖ Unable to reuse existing designs easily.
- ❖ Manual backup generation of Data and approval process took time.

#### Solutions:

- ❖ SOLIDWORKS Professional
- ❖ SOLIDWORKS Standard
- ❖ SOLIDWORKS PDM Professional

#### Benefits:

- ❖ SOLIDWORKS Interface is very User-Friendly and easy to understand.
- ❖ SOLIDWORKS help us to cut down design time by avoiding rework time & cost.
- ❖ Creating Sheetmetal components is very easy.
- ❖ Animations helps to understand complex assemblies in a detailed way.
- ❖ Interference and Collision Detection Tool helps to reduce design errors.
- ❖ PDM is useful tool in managing, reviewing and approving of designs.

#### Results:

- ❖ Reduced 40% in Design Cycles by using SOLIDWORKS.
- ❖ Accelerated Time-to-Market by 35%.
- ❖ 60% Reduction in Development Costs.
- ❖ Reduced Prototyping Costs by 60%.
- ❖ 40% Reduction in Scrap/Rework Costs.
- ❖ Reduced 60% in number of Design Errors.
- ❖ Improved 50% in Handling of ECOs, in Cost Savings, in ECO Processing Time, or in the number of ECOs.
- ❖ 50% Reduction in the Time spent searching for Files or Recreating Designs/Documents.
- ❖ Increased 40% volume of Design Reuse which resulted in Time and Cost Savings.
- ❖ Decreased 15% Manufacturing Costs through Improved Revision Control.
- ❖ 60% Benefit in Product Development Processes, such as Purchasing, Estimating, Marketing, or Documentation.
- ❖ 80% Projects completed within given deadline.



"SOLIDWORKS Solutions are very user-friendly and easy to use. BEACON provided us with great support & training in implementing SOLIDWORKS Solutions in our organization. SOLIDWORKS helped us to design products with minimum rework which saved our time and cost. PDM is also a useful tool in managing, reviewing and approving of designs, which in other ways saves our time."

- Mr. Amit Khatri, Deputy Manager, Industrial Engineering Syndicate (INENSY)

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#### VAR: Best Engineering Aids & Consultancies Pvt. Ltd.

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