

Implementation of Design Automation helps reduce design time by 50%

Client is a leading global elevator manufacturer based out of Europe

Our automation team helped a global elevator company who faced with high lead time and frequent design errors. Through design automation and "mistake-proofing" our engineers automated the entire design process with zero non conformances

52%
Time saving

ITC Infotech is a leading global technology services and solutions provider, led by Business and Technology Consulting. ITC Infotech provides business-friendly solutions to help clients succeed and be future-ready, by seamlessly bringing together digital expertise, strong industry specific alliances and deep domain expertise. The company provides technology solutions and services to enterprises across industries through a combination of traditional and newer business models, as a long-term sustainable partner.



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CHALLENGE

- Multiple versions of a single product involving human effort to create new configurations
- Critical component, any non-conformance leads to catastrophes
- Repetitive model design for elevator consumed significant time in the design process
- Unavailability of configuration-based modelling increased human effort to manually do the configurations

SOLUTION

- ITC Infotech SME proposed design automation and generated a Master CAD models
- Minimized manual effort by using Creo Program to generate CAD file including manufacturing drawing etc.
- Introduced a fool proofing method in programming to eliminate design error
- Made future developments and configurations easier using s master CAD model

RESULTS

- **52%** savings by reduction of design time for repetitive configurations
- Zero non-conformance
- Master models were created with adaptability to extend to upcoming design changes
- Significant reduction in validation time for all the configurations