



“The feature we appreciate most in elecworks™ is the seamless compatibility with SolidWorks, the automatic routing capabilities have improved the accuracy of our wiring in accordance with market changes, and has reduced our product development cycle. In the future we plan to reduce design times further while producing better products, and use innovative design rather than simply repeating existing work.”

Kai HUANG

Electrical Department Manager

Company

Nantong Enhron Air-Conditioning Manufacturing is located in the Yangtze River Delta, which is the site of their product development, production, with processing in one of the industrial companies. «Enhron» is the product's registered trademark, the company use internationally recognized advanced management systems, all products are ISO 9001 Certified, and some products have been exported for the necessary CE certification. Enhrons air conditioners include split system and a new range of roof mounted products, they are flexible, simple to install and maintain, economical, energy-saving to help with environmental protection, excellent quality, and have become the first choice for air control systems in many types of buildings. Enhron has been a strategic partner with Daikin, Mitsubishi, Toshiba, Carrier, Samsung, Hitachi, Haier and many other well-known international and domestic air conditioning companies.

The Challenge

Nantong Enhron Air-Conditioning Manufacturing design department is divided into industrial and commercial air conditioners, each department contains many electrical engineers, who focus on electrical and control product research and development. Having introduced SolidWorks some years ago, a major issue was but 3D wiring and cabling, which is dependent on electrical DWG files created with AutoCAD.

The Solution

In April 2010 the company invested in seats of **elecworks** and **elecworks** for SolidWorks 3D Routing module, to replace AutoCAD as the principle design tool. This has allowed the employment of all aspects of the electrical project data in SolidWorks. After using elecworks for a year, the engineers used **elecworks** to design the air-conditioners internal electrical system, define the arrangement of components, electrical circuit routing, training documentation, BOM etc.