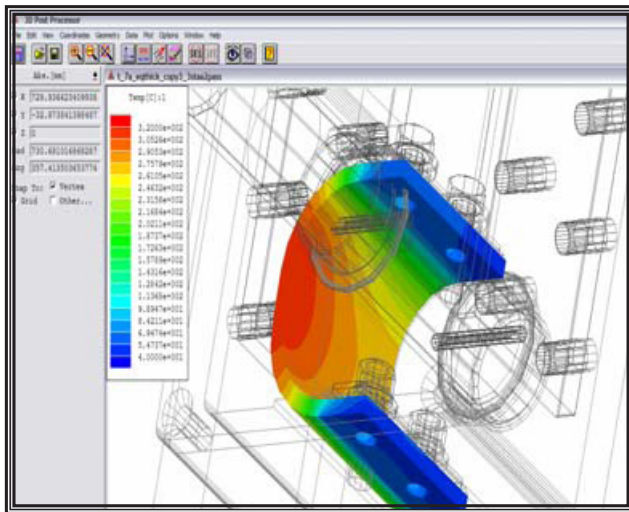
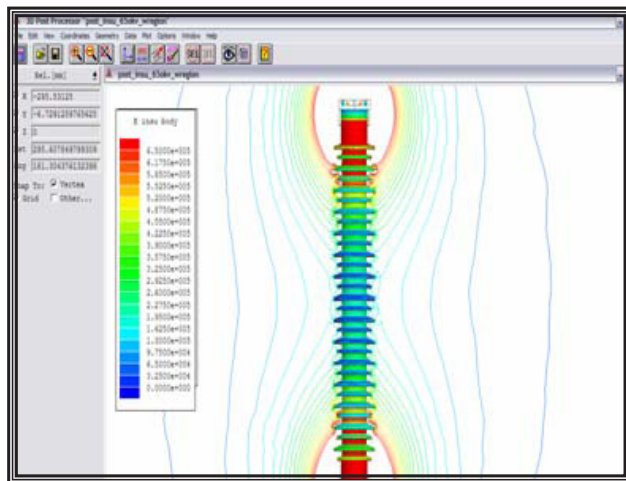


Seeding Fund Project

Design And Development Of 145kv (Rated Voltage) Disconnecter



Electrostatic Simulation of Disconnecter



Thermal Simulation of Disconnecter

Project Overview

This is a collaboration project between TNB Research Sdn. Bhd. and Tenaga Switchgear Sdn. Bhd to locally develop a 145 kV Rated Voltage Disconnecter. The main project objective is to develop a disconnecter that complies with the standard and requirement stipulated by TNBT specification and international standards. In addition, another project objective is to reduce the cost due to superfluous design of the disconnecter; localization of electrical product, and reduced product manufacturing time.

Deliverables

1. Develop electrical and physical model of the disconnecter.
2. Finite element analysis on the electrical model of the disconnecter to verify the design compliance to international standard.
3. Internal Laboratory "Test" on the disconnecter.
4. Ensure that the disconnecter passed the type test at STL Laboratory.

Benefits

1. Capacity building in design (Finite Element Analysis) and test requirement of primary electrical equipments.
2. Reduction of superfluous disconnecter design and simplification of manufacturing processes.
3. Localization of Electrical Products.