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EAST SEA ENERGY ENVIRONMENT

Project: ETAP POWER ENGINEERING SERVICE

Customer: INTEL PRODUCTS VIETNAM (IPV)

TURN IT BALANCE

Customer Profile

Intel Products Vietnam (IPV) with 1 billion USD investment is its seventh and largest assembly test plant within Intel Assembly and Test (ATM) network to produce chipset. Intel Products Vietnam is very proud of producing Intel's latest technology chip products including 5G, IOT, Desktop, Mobile etc. This plant is the first investment of its kind in the semiconductor industry in Vietnam.

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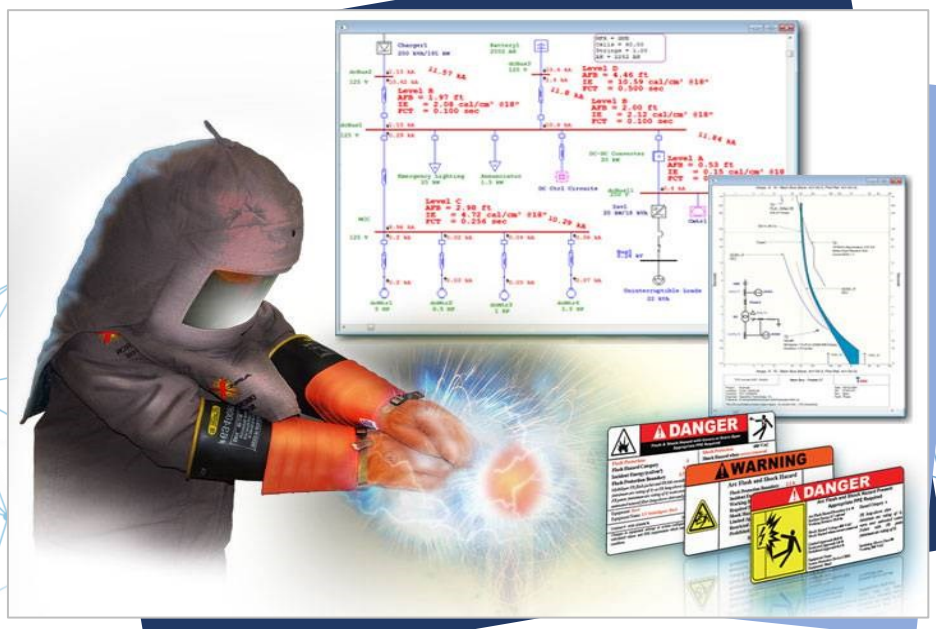
PROBLEM

- Power System Data was Out-to-date
- Relay Setting Values are NOT selective co-ordination, between upstream - downstream, bus levels.
- Arc Flash category of electrical panels is HIGH unusually.
- Many difficulties in operation, trouble –shooting, maintenance and expansion plan.



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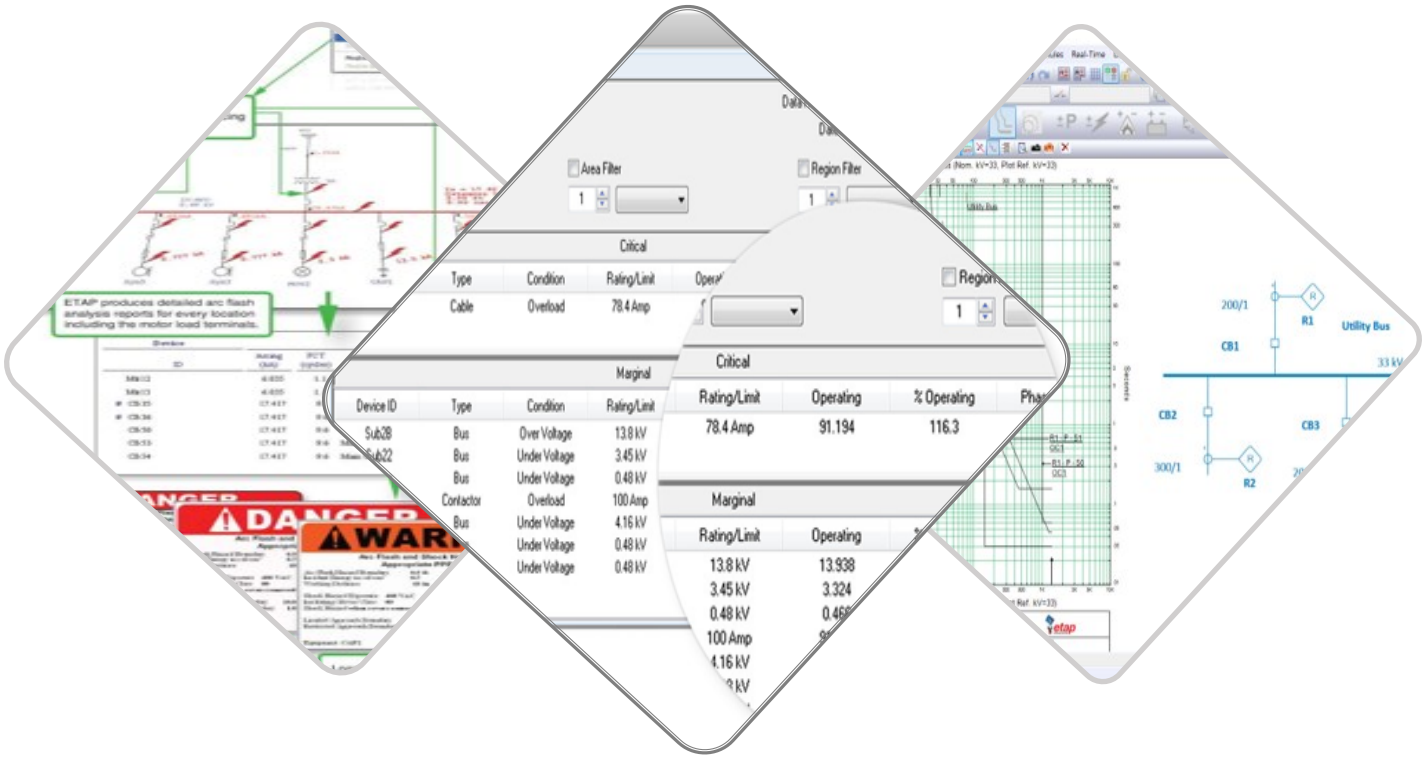
The Solution



ETAP Power Engineering, using ETAP software, performs modeling and study to produce report and recommendation

- Data collection & verification.
- System modelling.
- Load Flow analysis.
- Short Circuit calculation.
- Protective Relay co-ordination.
- Arc Flash analysis with NFPA 70E, IEEE 1584 standard.

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Customer benefits

Entire electrical system has been updated, re-calculated and analyzed with most up-to-date configuration, operation scenarios that Intel plant might have. In addition, future expansion has also been taken into consideration.

- Equipment duty, operating parameters were well checked, verified and adjusted
- Protection devices were selective co-ordination. Re-setting values obtained for onsite adjustment
- Incident energy and arc flash level of several panels reduced significantly
- System configuration and equipment parameters were updated, full ready to serve for operation, maintenance and expansion