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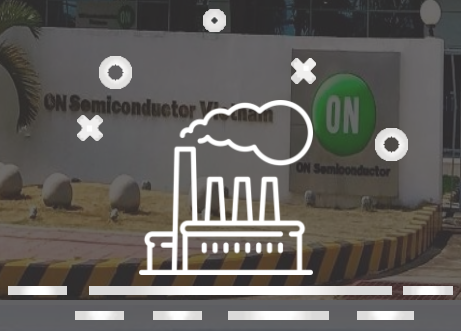
EAST SEA ENERGY ENVIRONMENT

Project: ETAP POWER ENGINEERING SERVICE

Customer: ON SEMICONDUCTOR VIETNAM

TURN IT BALANCE

Customer Profile



The manufacturing facility at Binh Duong province, Production : Hybrid IC Substrates , Vietnam is an assembly and Test Factory with a total of 4,700m2 of land area and over 2,700m2 of building space

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PROBLEM

1

Power System Data have NOT overall evaluation yet

2

Relay Setting Values are NOT selective co-ordination, between upstream-downstream, bus levels.

3

Arc Flash category of electrical panels is NOT Calculated

4

To load calculation for the future expansion

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The Solution

ETAP Power Engineering Service
Perform Power Engineering Service using ETAP software to perform works with 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 indicates the required PPE category

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Customer benefits

Whole electrical system has evaluated, overall re-calculated and analyzed for power system comprehensively. In addition, the future expansion also take into account.

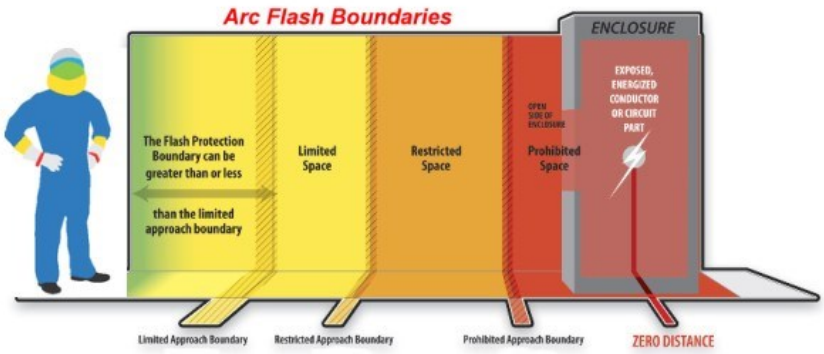
Incident energy and arc flash level are evaluated correctly, reduced risk

Arc Flash values can help to select PPE and optimize the safety system

Equipment duty, operating parameters were well checked, verified and adjusted

All switchboards from MV to LV are labelled and configured arc flash boundary

Protection relay devices were selective co-ordination, and to make sure the operating system correctly



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