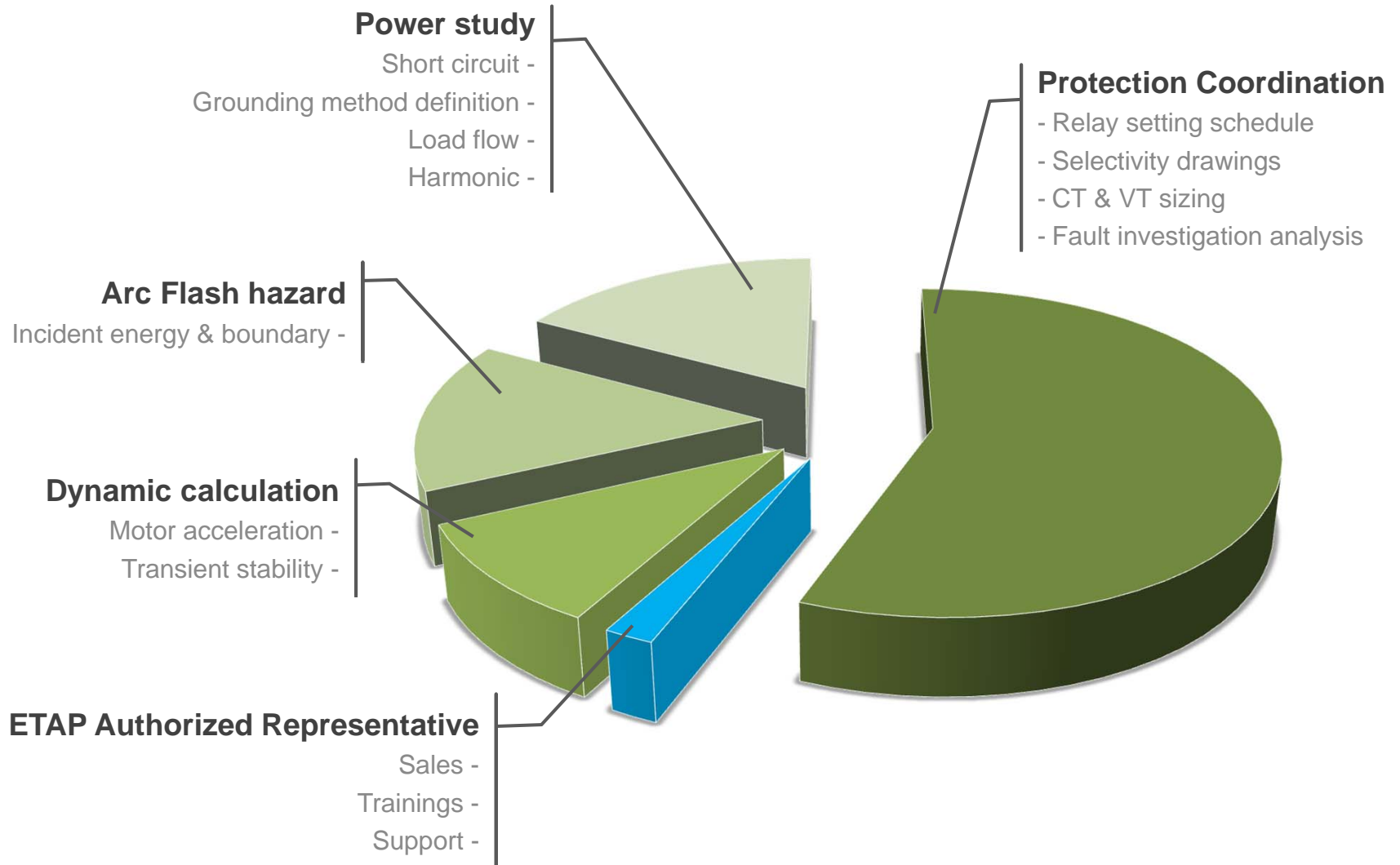


SELECTY

selectivity art in protection setting calculation

SERVICES

SERVICES



SELECTIVITY ART IN PROTECTION SETTINGS

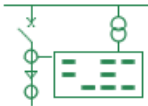
“selectivity art in protection setting calculation” is the company core business.



RELAY COORDINATION & SELECTIVITY STUDY

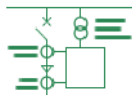
Calculation of relay setting values to ensure equipment safety, system stability, maximum service continuity and selectivity.

Specifically for the installed relays (Vendor, model, release, configuration) are calculated all the parameters to be entered for proper activation of protective stages.



PROTECTIVE FUNCTION DEFINITION

Review / selection of more adequate functions necessary for ensure system protection and promote system selectivity.



CT'S AND VT'S CALCULATION

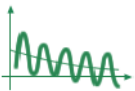
CTs and VTs adequacy checks / calculation for effective implementation of desired protection & measuring function.

ELECTRICAL POWER STUDIES



GROUNDING METHOD DEFINITION

Verification of system minimum requirement of grounding impedance to obtain acceptable relative angle during breaker open.



SHORT-CIRCUIT CURRENT CALCULATION

Calculation of the short-circuit current that can flow into electrical network in case of fault in compliance with Standard required.



LOAD FLOW

Calculation of voltage profiles & power flow in steady state operating condition. Proper selection optimal no-load tap changer position.



MOTOR ACCELERATION

Investigation of motor acceleration event to verify if electrical power system is able to start-up successful the motor and to define network perturbances occurring during event.



TRANSIENT STABILITY

Verification of behavior of electrical power system to face up wanted & unwanted network perturbances that could occurs during plant operation.



HARMONIC CALCULATION

Calculation of impact in term of voltage & current waveform pollution related to presence of electronic devices and electrical network system impedance.

ADDITIONAL SERVICES BASED ON EXPERIENCE

Based on cumulative experiences in Power System studies and Protection Relays coordination study, we're please to propose following additional services.



ARC FLASH HAZARD CALCULATION

Calculation of incident energy that could results from an electrical arc flash event and definition of system protection boundary. Results are basis for adequate PPE selection.



FAULT INVESTIGATION ANALYSIS

By oscillo-perturbography and protection pick-up and trip, investigation of occurred fault in order to define cause and recommended solutions.

This activities concentrate all the experience cumulate in Power System studies, Protection coordination studies and deeply knowledge of Vendor protective devices.



TRAINING COURSE

Based on SELECTY experience, training course are available on request on the above specified activities.

AUTHORIZED ETAP REPRESENTATIVE



SALES

ETAP Products & Services sales.

TRAININGS

ETAP Workshop (open-class) & Private on-site trainings conducted by Certified ETAP instructor

EVENTS

Technical & Marketing official ETAP Events organizations including Technical Summits, Workshops & Presentations

SUPPORT & LIVE DEMO

Product supports & Live Demonstrations

CONTACTS

SELECTY SRL

Via Ospedale, 70
24069, Trescore Balneario (BG)
Italy

Phone: +39 035 944088

Fax: +39 035 4257651

Email: info@selecty.it

PEC: selecty@pec.it

Web: www.selecty.it

