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Chambéry (73000)

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Objective, Confirmé

EXPERIENCES PROFESSIONNELLES

déc. 2019 / mars 2022

l'Energy Atomique et aux Energies Alternatives (CEA)-France

Optimization of an electrical architecture of Photovoltaic Plants:

Objective: (a) Development of the tools on MATLAB for optimization (Technical & Economical) of electrical architecture for Centralised, Decentralised and Linear PV Plants. (b) Electrical architecture with implementation of monofacial/bifacial module with higher DC voltage of 1500 V and 3000 V. (c) Selection and sizing of the BOS components (Transformer, Inverter, AC, DC Cable and ...) with respecting the technical criteria (d) Calculation of total electrical loss and overall cost of the PV Plants. (e) Documentation and verification of the result.

Associated Project: Grand Linear Project (CNR)

Software: MATLAB, PVSYST, Microsoft Project

Paper Presentation: 5C0.9.1 Optimizing the electrical architecture of linear vertical PV Bifacial Plants (PVSEC 2020) -

H.Colin, Y. Nepal, T.Lei

Contact: Colin Herve (herve.colin@cea.fr) - Project tutor

janv. 2014 / déc. 2017

Electrical Engineer for Building Automation project Objective

Civil International Consultant Pvt. Ltd- Kathmandu, Nepal

Objective: (a) Responsible for the design, drawing, and modeling of the power system layout (sizing of the transformer,

cable, circuit breaker) of buildings (b) Electrical Design and cost estimation -

11kV/400V- Building automation. (c) Define

technical specification and call for the tenders.

Projects: (a) Electrical design, drawing and cost estimation of apartments/buildings,

(b) Contribution on Electrical design and

drawing of East- West Nepal railway.

Software: AutoCAD (2D), Microsoft Project

DIPLOMES ET FORMATIONS

août 2017 / juil. 2019

Masters in electrical engineering - BAC+5

Grenoble INP ENSE3

COMPETENCES

MATLAB, c, Project, CNR, PVSYST, Microsoft Project, circuit breaker, AutoCAD, ETAP, PSIM, EMTP, SCADA, Lynx, pct.020, AUTOCAD (2D), COMSOL, ECODIAL, MATHCAD, HOMER, Project management, Microsoft office, Word, Excel, Power point, trustworthiness

COMPETENCES LINGUISTIQUES

Anglais