

105420-ELE-156CDEMS-E-2011

Technical & Commissioning Head

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 11 years' experience with a background in commercial and industrial installations in PV contracting field. Has in depth knowledge of PV solar parks.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/12/1988
Gender : Male
Marital Status : Single
Residence : Qalubia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Banha University, 2011

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office, Internet
: Adobe Illustrator, Photoshop, Corel Draw X5
: Revit, Solid Works & PVSyst
: MS Project 2015

TRAINING COURSES AND CERTIFICATIONS

: English: IELTS certificate UKVI level B" (5/2021).
: PMP Credit hours (10/2017), IPMA Credit hours (1/2018 & 3/2020).
: 6 σ - Six Sigma (Define – Measure – Analyze – Improve – Control).
: 5M, GMP, 5S & HACCP System.
: Classic Control, Industrial Safety & Risk Assessment Cal.
: ISO 9001- 2008, Corrective Actions & Internal Audit.
: KPI (Key Performance Indicator).
: ICDL from UNISCO (2010).
: AutoCAD 2D - 3D CAD-Masters (9/2010).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2022 till now
Employer : OTAK Trading & Contracting
Project : 2.68MWp, 1.8MWp & 3MWp in New Capital, Cairo, Egypt
Job title : Technical & Commissioning Head

Dates : From Jun. 2021 till Dec. 2021
Employer : METKA EGN, London & Scotland – UK
Job Description :

- Worked for a contract of 2 Mega battery storage projects within 6 months at Staplehurst & Coupar Angus with 50MW & 40MW respectively for construction & commissioning using LG batteries and SMA Storage 2.5MW INVs.
- 50MW: was responsible of commissioning of the power plant using 20 PCS of SMA INVs.
- 2.5MWp along with 60 PCS container of LG batteries having SCADA at the hot commissioning phase.
- 40MW: was responsible of all related electrical site tasks, material handling, supervising works with the needed MP and according to project schedule (Crashing/Fast Tracking).

Dates : From Nov. 2014 till Feb. 2021
Employer : Complete Energy Solutions (CES) - an EPC Solar Company
Job title : Senior Technical Engineer
Job Description : Every project in the company added new features to our experience, we designed over 150MWp and execute over 46MWp this is the description of my part in each one:

- 10MWp Siwa: 74,686 thin film MPV, 1246 SMA inverters, 5 PCS rooms: Medium Voltage Engineer: supervising the RMU connection from each PCS rooms to the main MV connection point with all related construction tasks.
- 1.67MWp (SHS) solar home system in Sohag: Site Manager for 3341 SHS unit/each 350 watt as: 2 PV, charge controller, 2 Batteries.
- 14MWp Red Sea: a collection of MPV & polycrystic 315w JA solar modules, 9 SMA sunny central inverters cpxt 850,900, with 84 SMA PV combiner boxes divided on 4 different site Marsa Alam, Shalateen, Halayb & Abo Ramad:
 - Technical Designer: the 4 sites design.
 - MV connection: on the RMU to the connection points on diesel power station with the SMA fuel saver.
 - Testing & commissioning: following up with SMA on the 9 sunny central inverter cpxt 850 & 900.
 - Testing & commissioning: following up with the third party PVSOS on 4 different sites on: Structure from Oberhozser, PV modules, strings & harnesses connections, combiners, main D.C cables, M.V connections on the stations.
- 20MWp Solar Park in Toshka Phase (1 & 2): 63,540 poly 315Wp JA solar modules, 16 ABB PVS800-57-1000kW-, with 122 ABB PV combiner boxes:
 - Technical Designer: construct the 20MWp design and shop

- drawing.
- BOQ: implement the BQO for the 20MWp, inspection and cost control for all the project procurement.
- BOQ delivery and cost control vs. project schedule: monitor and modify the exact shipments delivery dates (structure, PV modules, inverter stations, ...etc.) with the PEP (Project Execution Plan) with the Project Manager by Gan Charts.
- FAT, Testing & commissioning: for the whole project equipment along with their FAT with the manufacture (starting 9/2016 till 10/2017).
- 95.5MWp 2 Solar Parks in Benban, Aswan Egypt: 2 plots 43-4 and 42-4 using 289,420 PV modules AstronEnergy and 55 INVs CHINT CPS1500 Wac tracking system with 3,188 Tracker using PVH Structure. Acting as Technical Project Manager in the site to coordinate and control the construction teams and manpower, quality teams, handing over process with client and main subcontractor including OMS and ICLs approval as the Head of 17 QA/QC Engineers on 25 construction engineers with the project scheduling using MS PROJECT.
- 210kWp Abu Dhabi (UAE): on grid in the royal buildings, MASDAR, UAE.

Dates : From Oct. 2013 till Nov. 2014
Employer : Middle East Chemicals (Ingram shaving cream manufacturer company)
Job title : Maintenance Engineer
Job Description : Worked on different types of machines like: Filling & sealing, shrinking & packing, printing ink jets, cream manufacturing M/C (Kalix 700 - Video Ink jet - Giusti - Boilers - Chillers - Crashers - Liquid Filling M/C - Vacuum Machine, etc.).

Dates : From Dec. 2011 till Oct. 2013
Employer : Consulting Offices
Job title : Junior Electrical Design Engineer
Job Description : Electrical tendering for lighting, designing by AutoCAD 2D program in many construction buildings.

Projects:

Completed PV Projects:

- 10MWp solar park in Siwa (Egypt) (8/2014 to 3/2015).
- 28kWp hybrid solar system El-Shikha Fatam School (Egypt) (3/2015).
- 1.67MWp SHS solar home system in Sohag (Egypt) (12/2014 to 6/2015).
- 14MWp On-Grid solar park in Red Sea (Egypt) (8/2015 to 2/2016).
- 10MWp (1st phase) Net Metering solar park in Toshka (Egypt) (9/2016 to 2/2017).
- 10MWp (2nd phase) Net Metering solar park in Toshka (Egypt) (3/2017 to 10/2017).
- 95.5MWp On-Grid plants, Benban (Egypt) (4/2018 to 10/2019) ACWA Power / CHINT.
- 2.68MWp Solar roof top in New Capital Cairo, Egyptian Intelligence (1/2020).
- 1.81MWp Solar roof top in New Capital Cairo, Egyptian Intelligence

(2/2021).

- 1.005MWp PPA On-Grid Solar roof project (Egypt) (1/2020) Chipsy – Pepsico.
- 210kWp On-grid Royal Building in Abu Dhabi (UAE) (8/2018).
- 5MWp On-grid solar roof top buildings NEB in New Capital, Cairo (2/2021).
- 50MW On-grid Battery storage, Staplehurst, London (UK) (8/2021).
- 40MW On-grid Battery storage, Coupar Angus, Dundee, Scotland (UK) (12/2021).