



# Artem Donets

Ukraine  
Kyiv

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## SUMMARY

Seven years' experience in complex engineering projects including the solar power plants megawatt-class. Certified PV engineer by **DEWA** (Dubai electrical and water authority). Excellent organizational and coordination skills and ability to juggle with all aspects of a project, from designing, drawing circuitry and cost forecasting, to troubleshooting, conducting quality assurance and reporting. Also active participating in scientific (publications, conferences, etc.) and research and development life as a Ph.D in renewable energy sphere. Give me a lever and a fulcrum on which to place it, and WE will move the world.

Designed multiple solar power plants megawatt-class (**246 MW, 10 MW, 4.2MW, 4.1MW, 1.1MW, 100 kW etc.**). Participation in energy audits.

<https://www.youtube.com/watch?v=zfAaRGdgcO8&feature=youtu.be>

## WORK EXPERIENCE

### Chief Electrical Power Engineer/ Researcher

#### July 2011 — to the present

**Institute for Renewable Energy, National Academy of Sciences of Ukraine, Kyiv**

##### **Key duties and responsibilities:**

- Design of electrical networks, creating the shop drawings (power lines, lighting networks), explanatory notes, specifications for the project, carrying out the necessary calculations;
- Develop project objectives by reviewing project proposals and plans; conferring with management.
- Determines project specifications by studying product design, customer requirements, and performance standards; completing technical studies; preparing cost estimates.
- Ensure projects are delivered in time, quality and cost targets within agreed risk profile;
- Project delivered to the desired quality standards;
- Provide quality assurance on delivery of projects using appropriate project methodology, techniques and processes, throughout the entire project lifecycle;
- Oversee project planning, scheduling, communications, costing, issue resolution, risk assessment and reporting;
- Supporting feasibility studies regarding technical aspects;
- Participation in EPC contract negotiations;
- Preventing mistakes and defects, ensuring engineering best practice observance;
- Coordination of pre-sales activities between parks division and equipment suppliers, including technical documents validation and supply contract negotiations;
- Elaboration of equipment list with cost breakdown;
- Preparing of presentations for investors.

##### **Designed multiple solar power plants megawatt-class:**

- 4.2MW: Sychevka solar power station
  - Client name: confidential
  - Short description: ground mounting, string inverters.
  - Project status: design completed
- 4.1MW: Ternopil region solar power station
  - Client name: private
  - Short description: ground mounting, central inverters
  - Project status: design completed
- 1,1MW: Gurzuf solar power station (Crimea)
  - Client name: government of energy
  - Short description: ground mounting, central inverters.

- Project status: design completed
- 100 kw: Remontnik solar power station (Kyiv)
  - Client name: "Remontnik" company
  - Short description: roof mounting, SMA string inverters, JA-solar 270 W panels.
  - Status: construction completed. Functional
- 60 kw: Uzgorod solar power station (Kyiv)
  - Client name: private enterprise
  - Short description: roof mounting, string inverters, JA-solar 330 W panels.
  - Status: design stage

## **Design Engineer**

**Dec 2016 — Aug 2018**

**Karbon Invest – Kyiv, Ukraine**

- Monitoring the daily Operations and Maintenance activities on site;
- Monitoring maintenance activities against work schedule, together with project management;
- Reviewing and evaluation project cost, cost/budget management, variation orders and compensation events;
- Performing economic analysis on engineering and project solutions;
- Monitoring safety health and environmental issues, legislation compliance on site;
- Interacting across all engineering disciplines;
- Consulting with Operators/Contractor site staff on engineering issues;
- Liaising with other disciplines to ensure that interface design assumptions are communicated in both directions;
- Provide support to the Project Team during installation phase to ensure team's awareness of all details and/or changes that may impact project implementation;;
- Interface with development and installation teams to ensure that project objectives are maintained and satisfied;
- Ensure the production of quality electrical/mechanical engineering plans and specifications, while ensuring compliance with project and the national technical requirements and standards.
- Facilitates access to technical information;
- Commissioning activities
- Compiles technical reports;
- Review of Operators/Contractors reports.

Projects:

- 246 MW: Nikopol district solar power station
  - Client name: China Machinery Engineering Corporation company
  - Short description: central inverters (STAR-2500 kW), Serafima solar panels 330 W, ground mounting system)
  - Status (under construction)
  - Link: <https://www.segodnya.ua/economics/enews/dtek-nachinaet-stroitelstvo-krupneyshey-solnechnoy-elektrostantsii-v-ukraine-1128839.html>.
- 10 MW: Triffanovka solar power station
  - Client name: DTEK company.
  - Short description: string inverters (TRIO-50.0-TL-OUTD 50 kW), JA solar panels AP6(K)-60 270W 4BB, ground mounting system
  - Status: completed
  - Link: <https://ukranews.com/news/511385-dtehk-vyeh-vvela-v-ehkspluatacyyu-tryfonovskuyu-sehs-v-khersonskoy-oblasty>.

## **Engineer**

**2012 — 2013**

**StarEnergy LLC**

- Development projects of solar hot water systems and heating based on vacuum solar collectors;

- Design of photovoltaic systems;
- Site engineer supervisor;
- Installation of structures, panels, inverters, cabling activities, grounding.
- Responsible for development and delivery of product demonstrations;
- Provided technical support and conducted project site visits;
- Drafted post-construction project commissioning procedures;
- Knowledge of implementing electrical, mechanical, structural and civil engineering;
- Calculations on Solar Energy results;
- Tendering, promoting and proposing PV systems to clients;
- Assist in preparation of commercial proposals and presentations' material to customers.

## EDUCATION

### Ph.D, Engineering Science

2011 — 2017

Institute for Renewable Energy, National Academy of Sciences of Ukraine, Kyiv

### Master of Science, Power Engineering (with honor)

September 2009 — July 2011

National Technical University of Ukraine "Kyiv Polytechnic Institute"

**Faculty** of Electric Power Engineering and Automation

**Department** of Renewable Sources of Energy

## COMPUTER SKILLS

AutoCad, Autodesk Inventor, Autodesk Revit, Matlab, DIALux, MathCad, SolidWorks, NI LabVIEW, Vidor, Homer Energy, MS Office (all packages including Project and Visio), 3d's Max, Wolfram Mathematica, Python, C++, PV GIS, Photoshop, Primavera, Sketchup (with Skelion), PVWatts, PVSyst and many others.

## COURSES AND ADDITIONAL INFORMATION

Participation in the experience exchange program in the field of energy, which called "Energy independence" in USA. The name of organization is Open World. (June 2015). Visited at several conferences and seminars related to renewable energy, climate change and sustainable development in the UAE. Also visited Masdar, IRENA and other "green" organizations.

## LANGUAGE KNOWLEDGE

English - Advanced;  
Ukrainian - Native;  
Russian - Native.

## PUBLICATIONS

Many publications in domestic and international scientific journal generally related to renewable sources of energy and its converting. Also participated in international scientific conferences.  
More sources and links of publications available upon request.