



RAAD TABAN Co.
EPC contracting services

IN THE NAME OF GOD

Introduction of Raad Taban Company



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introduction

Raad Taban Company is an international engineering company ranked 1st in the field of equipment supply, construction and development of power supply networks, high and medium voltage substations, photovoltaic power plants, distributed generation (DG) generators and power transmission lines, which has been operating since 1995. Raad Taban Company is one of the approved contractors of Tavanir Company and Satba Company, and with its capable specialists and up-to-date equipment, it has completed many projects in Iran and other countries, including: Iraq, Afghanistan, Armenia, Niger and Syria.



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introduction

Also, Raad Taban Company, with its strong and experienced team and advanced software, in addition to implementing line, substation and power plant projects, is ready to provide practical suggestions for optimal network utilization in the field of network studies and load and energy management, including: network stability and reliability studies, load flow (LF), short circuit (SC), reactive power flow studies in the network, loss reduction, feasibility studies for the construction of solar power plants.



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Highlights of Raad Taban Company

Company established year	1995
Number of projects implemented in section 400KV	36
Number of projects implemented in section 230KV	51
Number of projects implemented in section 132KV	5
Number of projects implemented in section 63KV	86
Number of projects implemented in GIS substation	8
Number of projects implemented mobile substation	13
Number of projects implemented in section of building	19
Number of Network development projects	Over 200 projects



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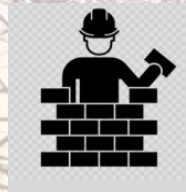
Raad Taban departments



**Technical office &
Designing**



Procurement



Civil



Installation & Test



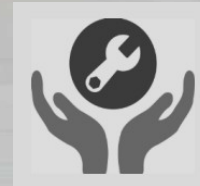
Supervision



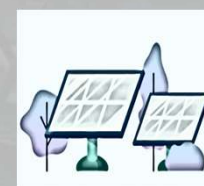
HSE



Finance & Commercial



Maintenance



Solar Power Plant



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Part of Certificates





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CPCCOHS1001A
Work safely in the construction industry

NATIONALLY RECOGNISED TRAINING

Statement of Attainment

WC11300166161XD

This is to certify that
MOHAMMAD JAFARI

ID: Passport E32873358
Date of Birth: 24-01-1981

has fulfilled the requirements for
CPCCOHS1001A - Work Safely in the Construction Industry

urban
16-12-2015
Issue Date
Director

U08044 & LEARNING PTY LTD ABN 34-127-154-621
Registered Training Organisation - 51973

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AREVA T&D AG Training Centre

Certificate

This document is to certify that: **Mr. Mohammad B. Jafari Gandomani**

has attended and successfully completed the training course Design, Functions & Operations of GIS-type mentioned hereafter. The test results of Form F2-A-011 qualify him to work on:

F35-3 / 4 & B65 - 145 kV

On behalf of the test result Mr. Mohammad B. Jafari Gandomani obtains M1 (B1d level 1).
A successful training for each type of GIS is compulsory to obtain permission to work on AREVA T&D GIS.

Training Manager
Moussa Fortes

Head of GIS Installation
David Wyder

AREVA T&D AG
Service
Oberentfelden, Switzerland

Oberentfelden, Switzerland, on 02nd October 2008

T&D FORM F2-A-011

AREVA

ATTESTATION

I undersigned Jacques HENROT, FSA manager of AREVA T&D S.A. AIX LES BAINS, certify that:

Mister Mohammad Bagher JAEFARIGANDOMANI

Has been trained from 23/03/08 to 25/05/08 as a Supervisor for the erection of the gas insulated substations.

For the purpose it may concern,

In AIX LES BAINS,
The 29 May 2008

Jacques HENROT

T&D
Training Centre
Aix les Bains (France)
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AREVA T&D Training centre

Certificate

This is to certify that
Mr. JAEFARIGANDOMANI Mohammad B.

successfully completed the theoretical and practical course related to:

X4442E - B105 - Gas Insulated Substation - Operation and maintenance

delivered at: Aix les Bains from Wednesday March 26th to Friday March 28th, 2008

The lectures were ensured by Gérard VIAL (AREVA T&D DAFEP)

Training instructor(s)
Gérard VIAL (AREVA T&D DAFEP)

Training centre Manager
David CHAMBERON

AREVA

AREVA T&D Training centre

Certificate

This is to certify that
Mr Mohammad Bagher Jaefaeigandomani

successfully completed the theoretical and practical course related to:

Electrical safety for non-electricity specialists

delivered in Villeurbanne from April 4th, 2008 to April 5th, 2008

The lectures were conducted by Mr Jean-François DING,
in Villeurbanne (FRANCE) on April 23rd, 2008

AREVA T&D Training instructor
Jean-François DING

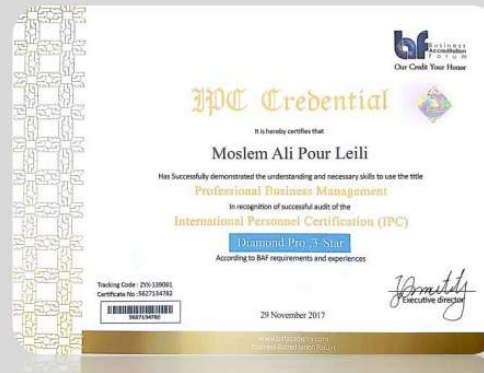
Training centre Manager
David CHAMBERON

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Part of Certificates





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Partner companies

ABB **ALSTOM** **EDMI**

SIEMENS **ELTA** **artech**

Schneider Electric **HYUNDAI** **TRI DELTA**

GE **SENSE®** **LS**

AWC **Alumtec** **پارس گل گستر**
Abhar Wire & Cable Pars daktar gostar

PARS SWITCH CO **Saba Battery** **MASPA CO.**

Interlec **Modje Niroo Co** **SACI**
Electrical Contractors

IRAN TRANSFO CORPORATION

آریا ترانسفو
ARYA TRANSFO



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Pictures of some implemented projects –Power plant Gotvand GIS 400KV





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Pictures of some implemented projects –Dam Karoon 4 GIS 400KV





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Pictures of some implemented projects –Dam Karoon 4 GIS 400KV





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Pictures of some implemented projects – Shahriar 230KV





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Pictures of some implemented projects – Parand 230 KV





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Pictures of some implemented projects – Boeen Zahra 230 , 63 KV





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Pictures of some implemented projects – Jamkaran 230 KV





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Pictures of some implemented projects – Neizar 230 KV





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Pictures of some implemented projects – Booein Zahra 63/20 KV





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Pictures of some implemented projects – Booein Zahra 63/20 KV





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Pictures of some implemented projects – Building





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Pictures of some implemented projects – Building





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Pictures of some implemented projects – Building





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Raad Taban services in the field of solar energy and solar power plant

1. Feasibility studies and preparation of financial and economic justification plan.
2. Preparation of project implementation schedule.
3. Power plant design and preparation of maps, technical specifications of equipment and earthing system.
4. Conducting geomechanical and geoelectrical studies and preparation of relevant reports.
5. Surveying and preparing topographic maps.
6. Conducting impact and tensile tests.
7. Network connection studies.
8. Follow-up to obtain a network connection permit.
9. Follow-up to obtain an environmental permit.
10. Follow-up to obtain a construction permit.
11. Preliminary and detailed design of the building and landscaping section.
12. Preliminary and detailed design of the electricity section and medium-voltage substation and communication lines.



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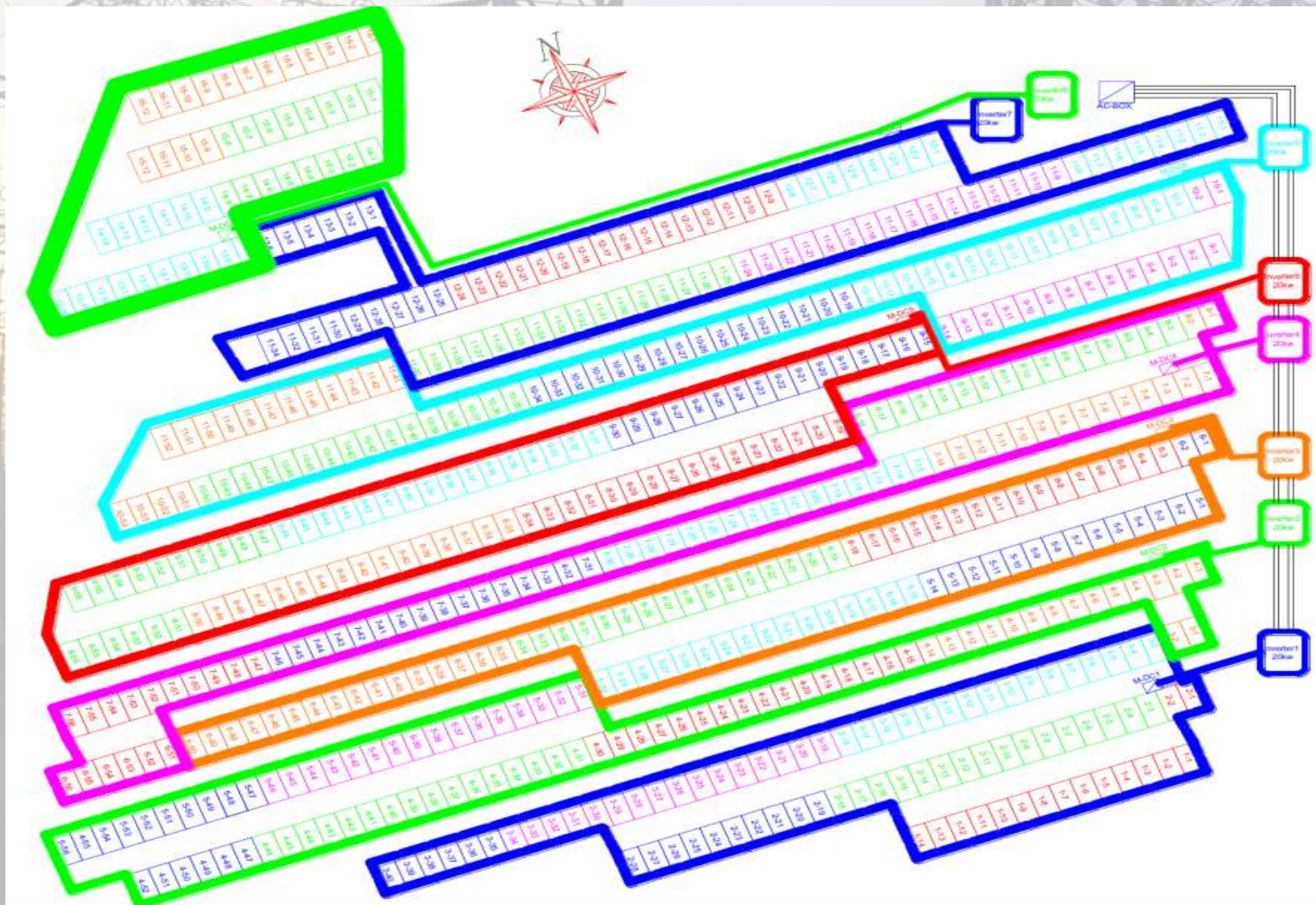
Raad Taban services in the field of solar energy and solar power plant

13. Preliminary and detailed design of the telemetry, telecommunications and precision instrumentation section.
14. Preliminary and detailed design of the mechanical section.
15. Execution of earthworks and landscaping operations.
16. Follow-up to obtain an operating license.
17. Contracting the required contracts, purchasing and supplying all internal and external equipment of the power plant.
18. Execution of structural installation operations.
19. Execution of equipment installation operations.
20. Execution of cabling and wiring.
21. Provision and training of technical, administrative and financial personnel for the proper operation, control and protection of power plants.
22. Testing and commissioning of the power plant.
23. Operation and maintenance of the power plant upon request of the employer.



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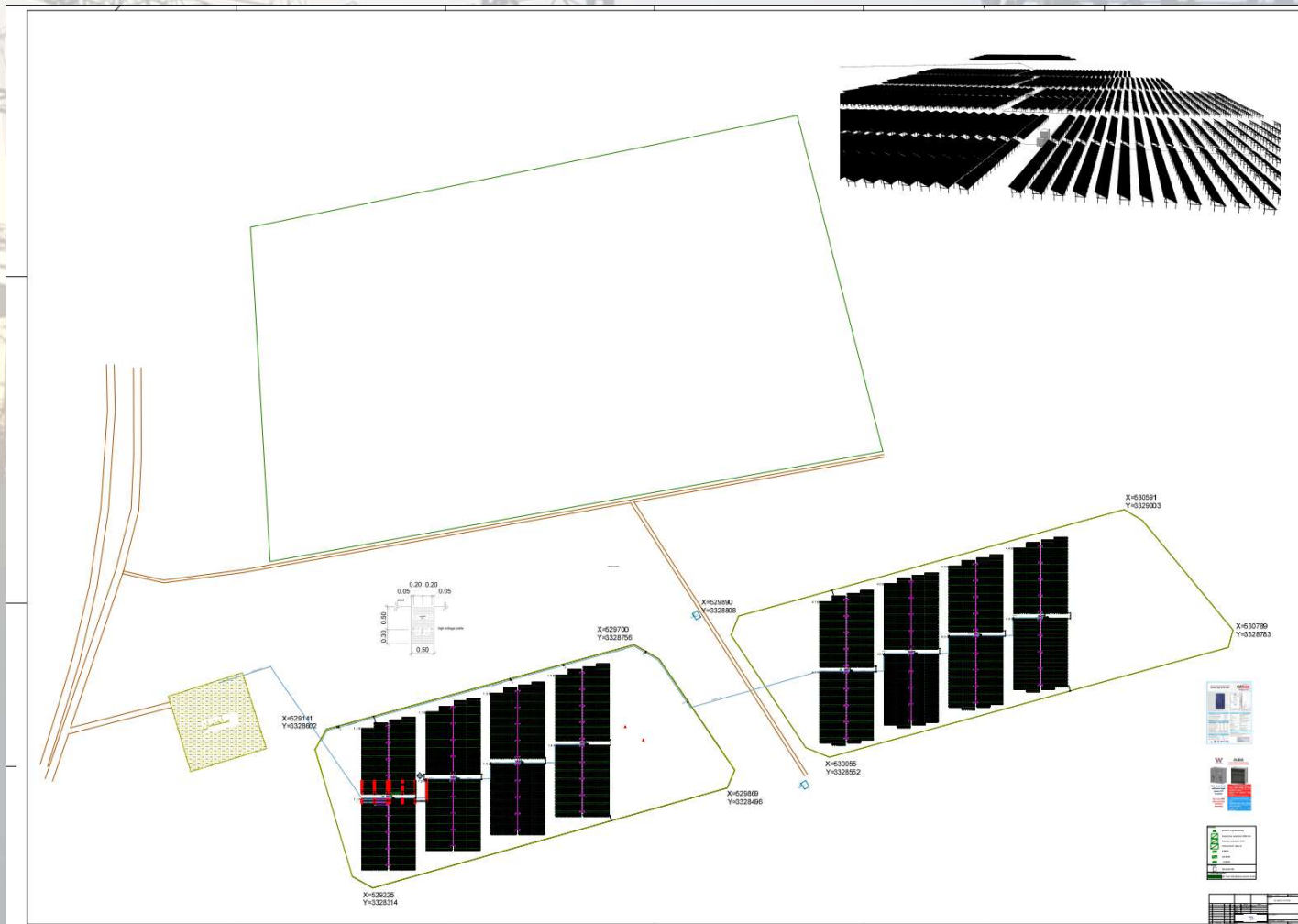
solar power plant - An example of solar farm plan

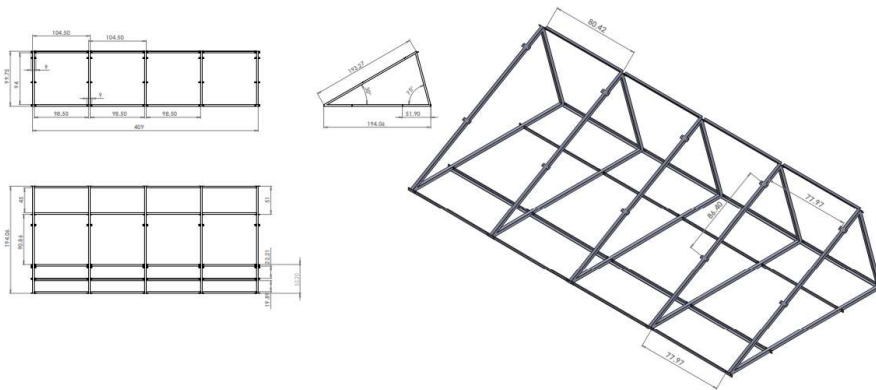




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solar power plant - An example of solar farm plan

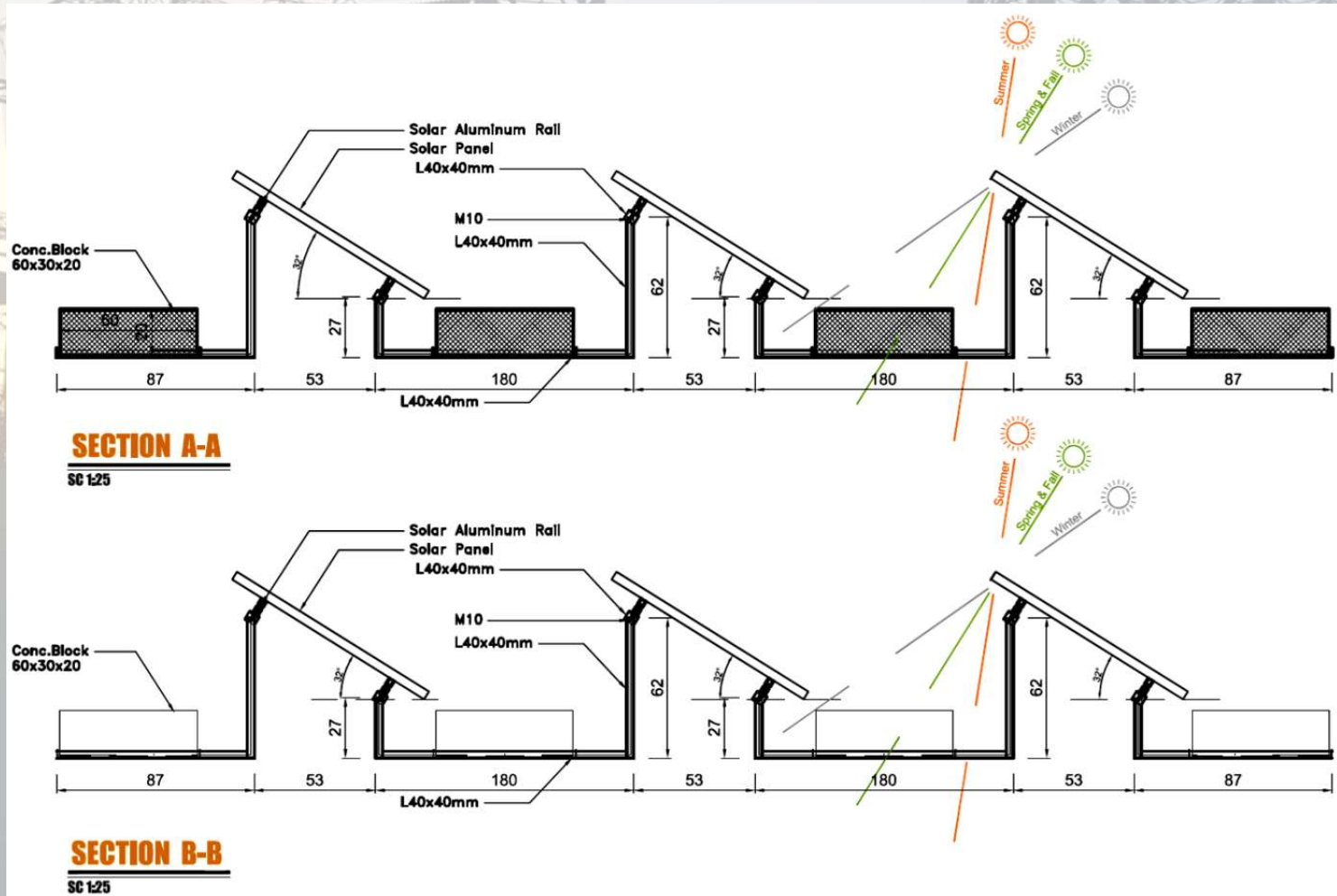






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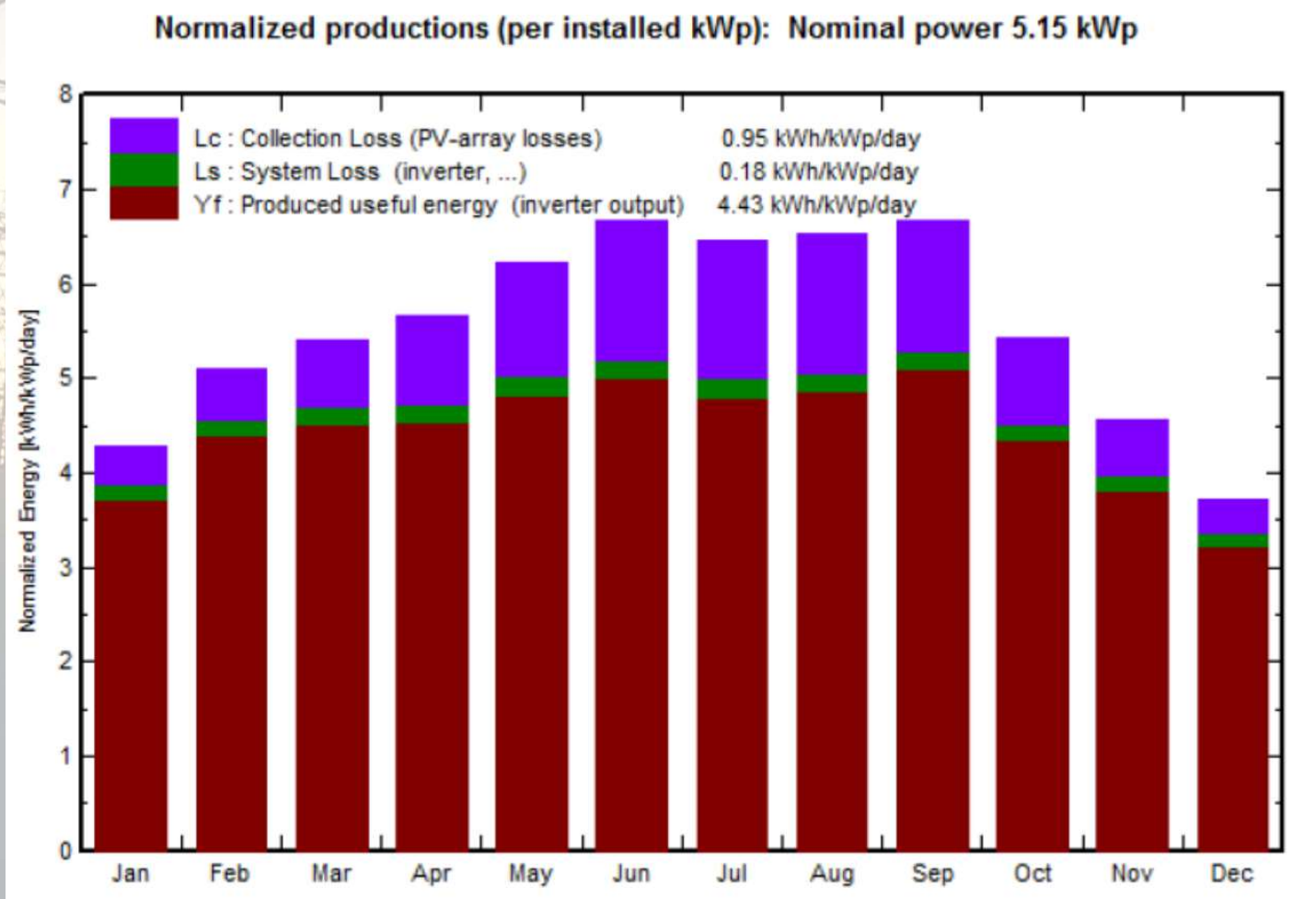
solar power plant - An example of panel shading analysis





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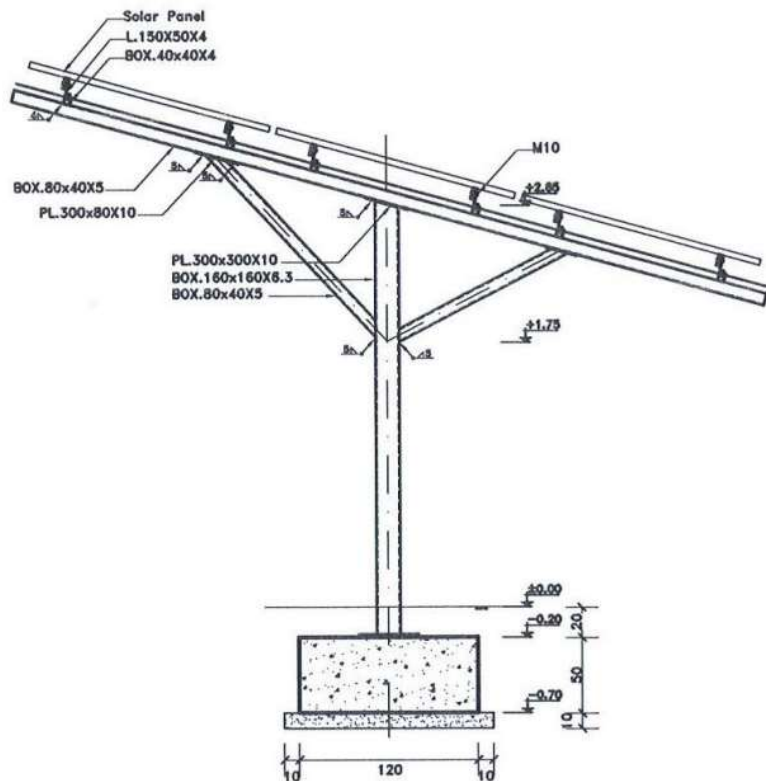
An example of energy production analysis of a rooftop unit



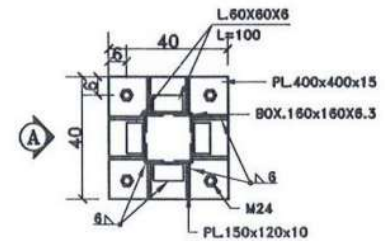


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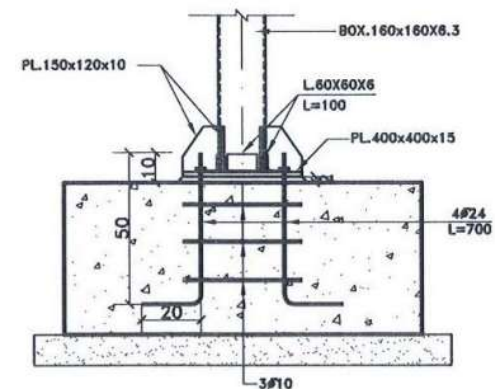
Solar Power Plant-an example of the design for the supporting structure



SEC. C-C
Sec.: 1/50



B.P.
Sec.: 1/25

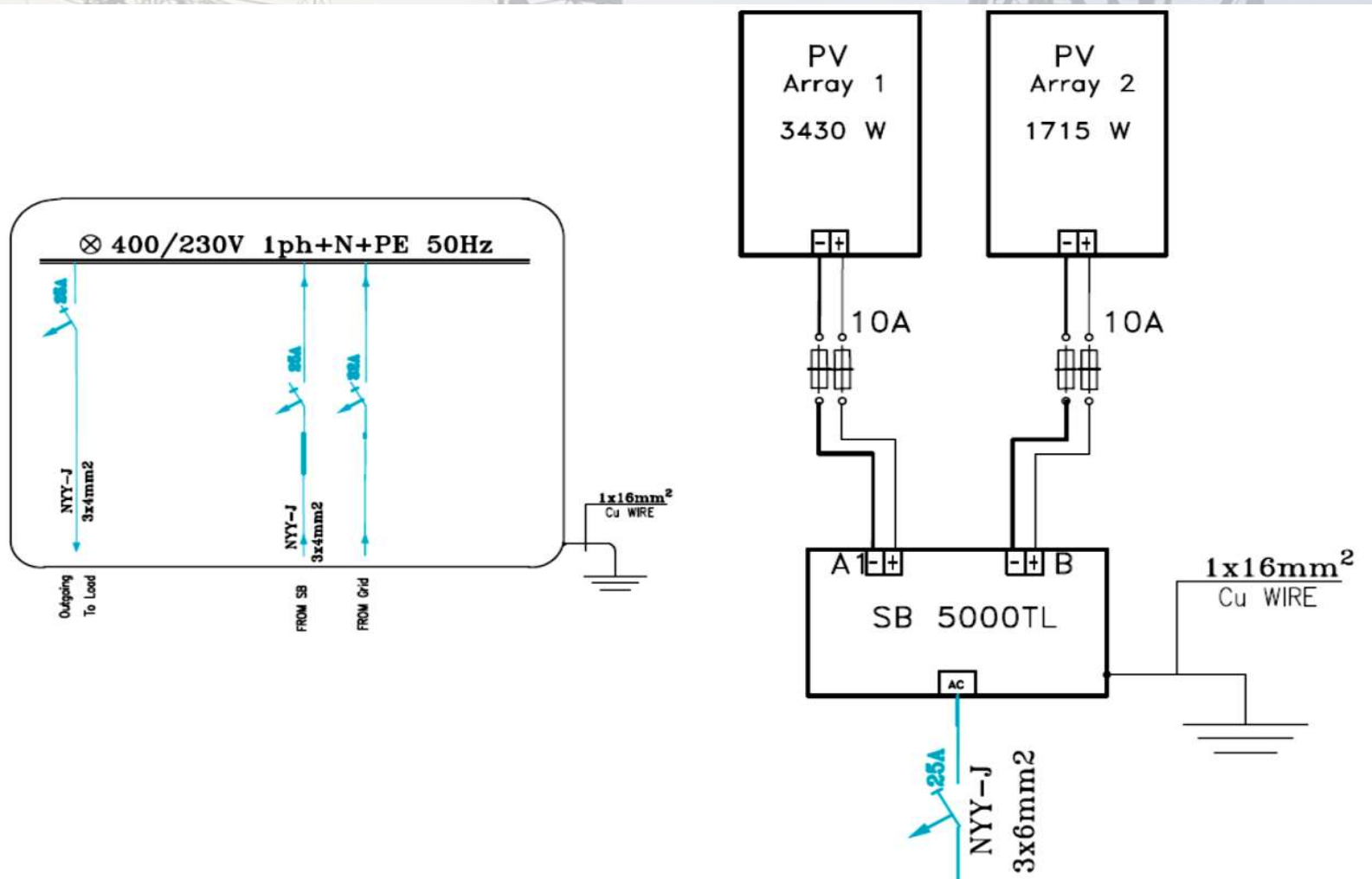


View-A
Sec.: 1/25



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Solar Power Plant-an example of electrical design





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Solar Power Plant - example of implemented projects





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Solar Power Plant - example of implemented projects





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Solar Power Plant - example of implemented projects





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Solar Power Plant - example of implemented projects





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New techniques in power networks operation



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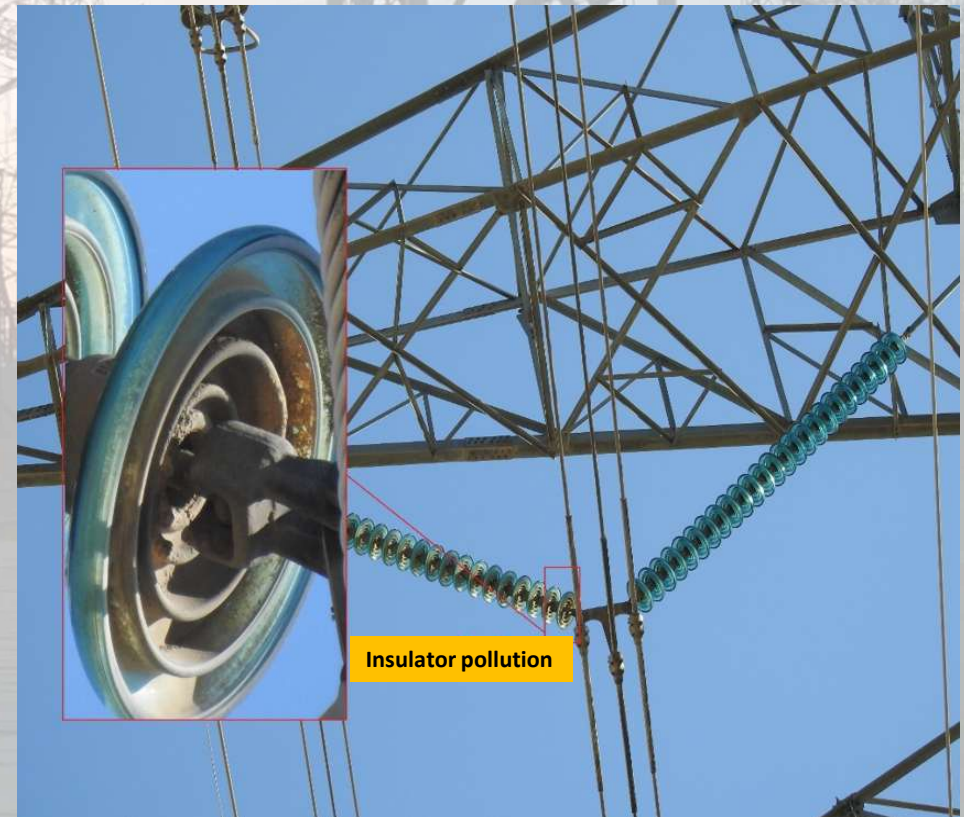
The inspection and visit substation & overhead lines with drone or quadcopter and with **image processing**





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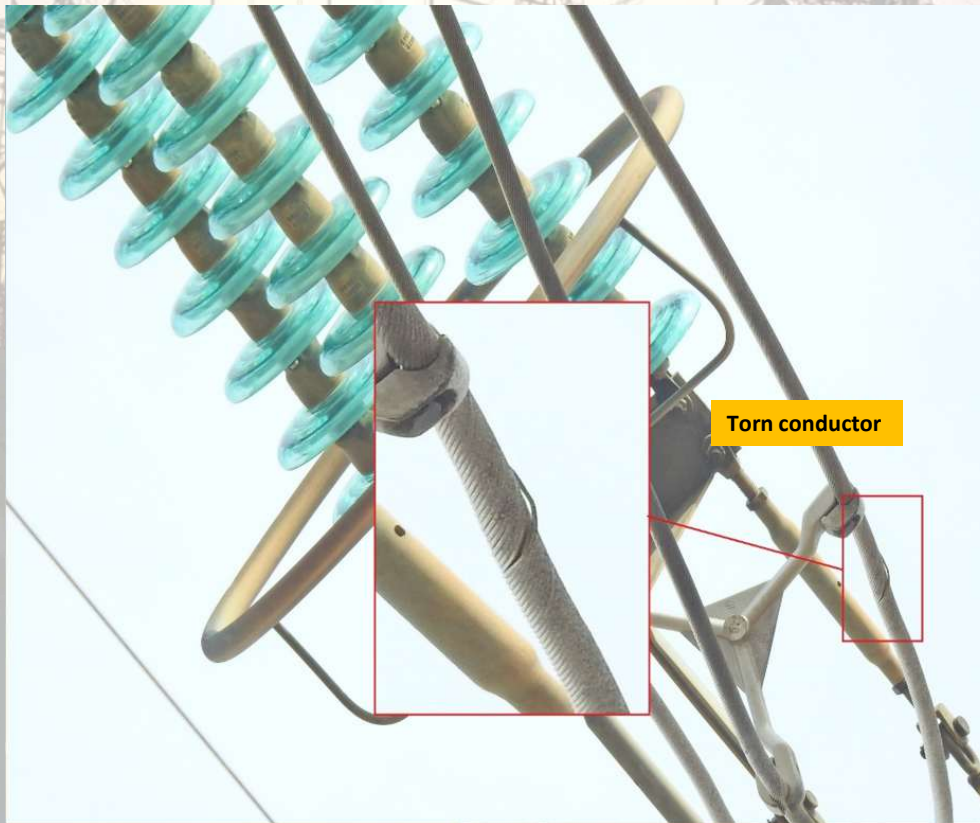
The inspection and visit substation & overhead lines with drone or quadcopter and with **image processing**





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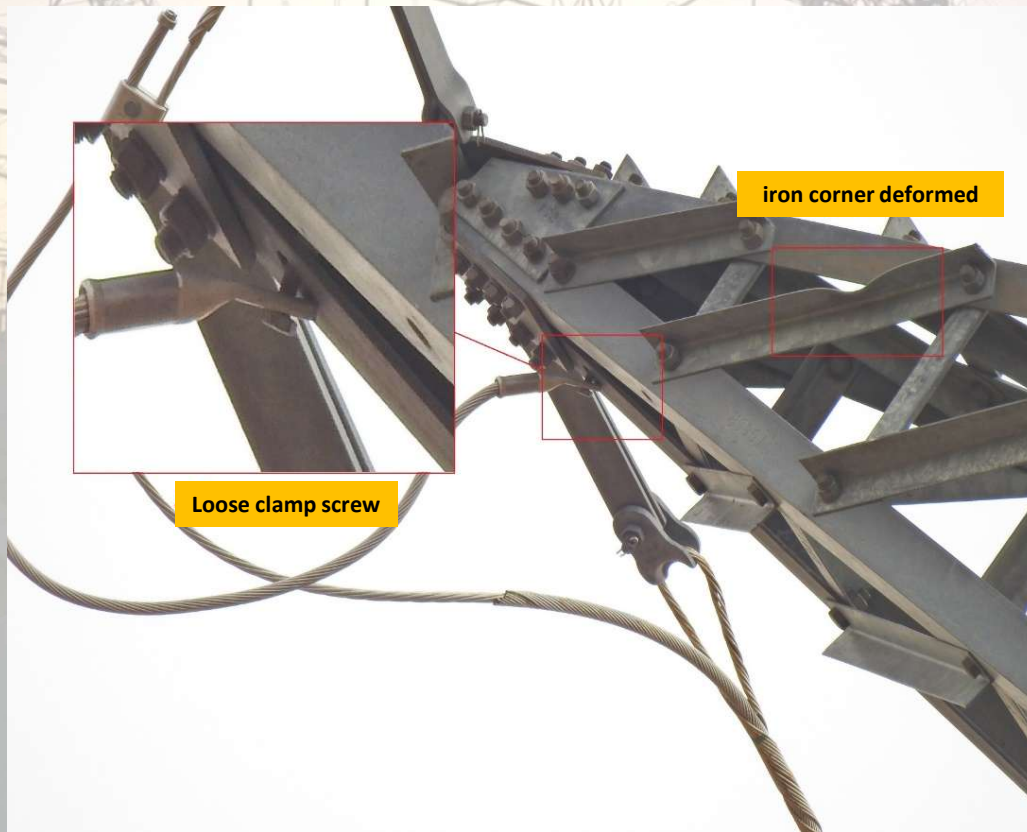
The inspection and visit substation & overhead lines with drone or quadcopter and with **image processing**





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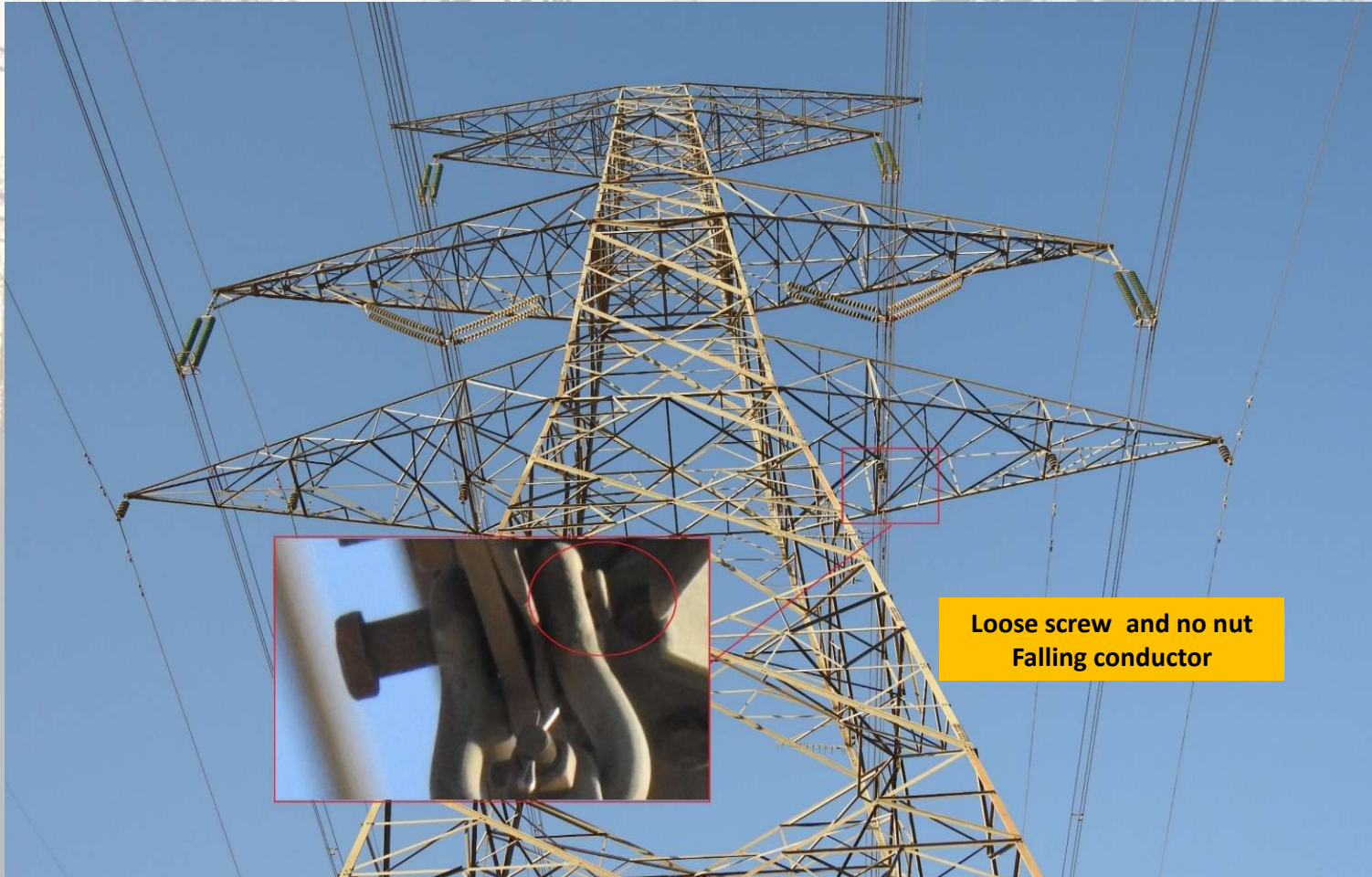
The inspection and visit substation & overhead lines with drone or quadcopter and with **image processing**





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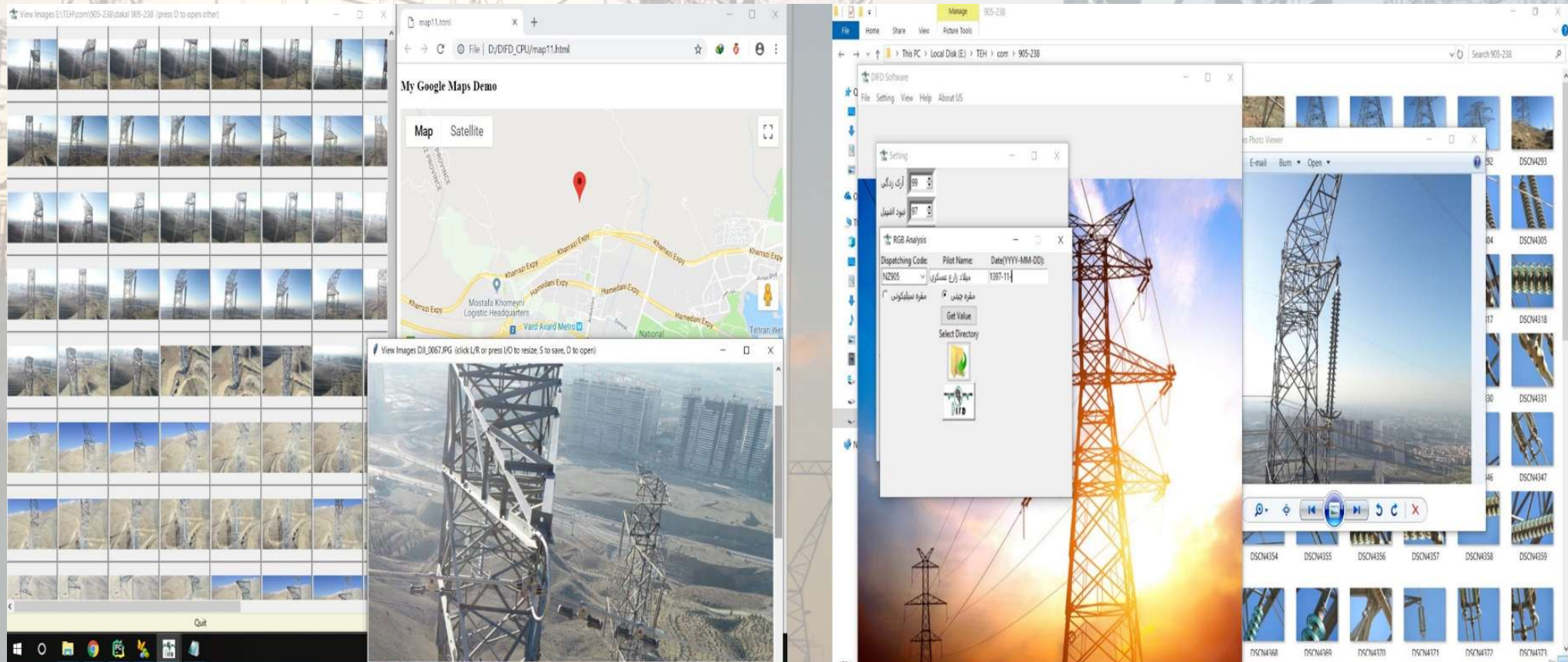
The inspection and visit substation & overhead lines with drone or quadcopter and with **image processing**





The inspection and visit substation & overhead lines with drone or quadcopter and with **image processing**

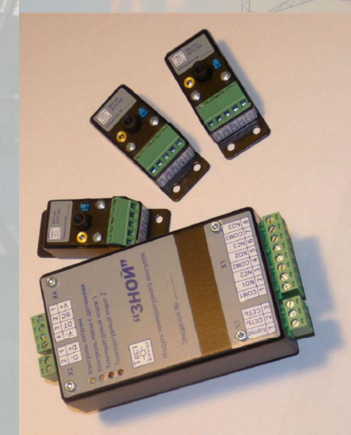
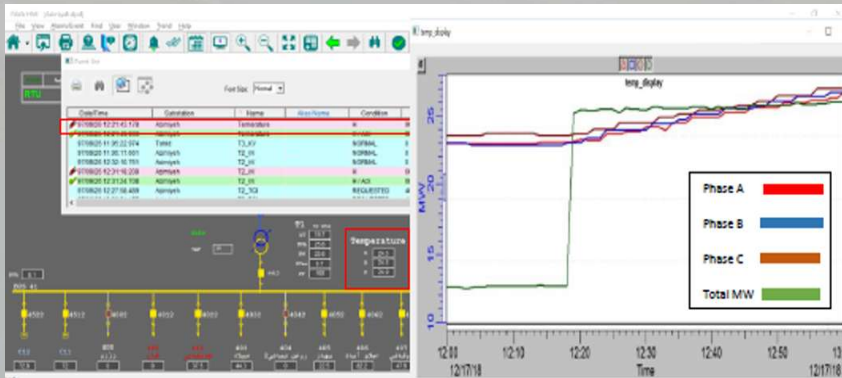
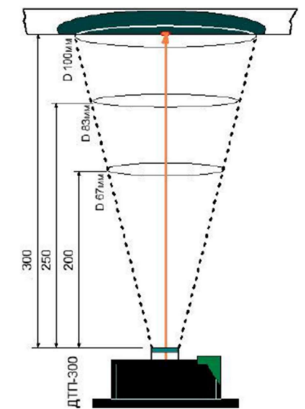
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Smart medium voltage Panels with camera installation and smoke, sound & heat sensors





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Smart overload management relay for Transformer





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Smart overload management relay for Transformer





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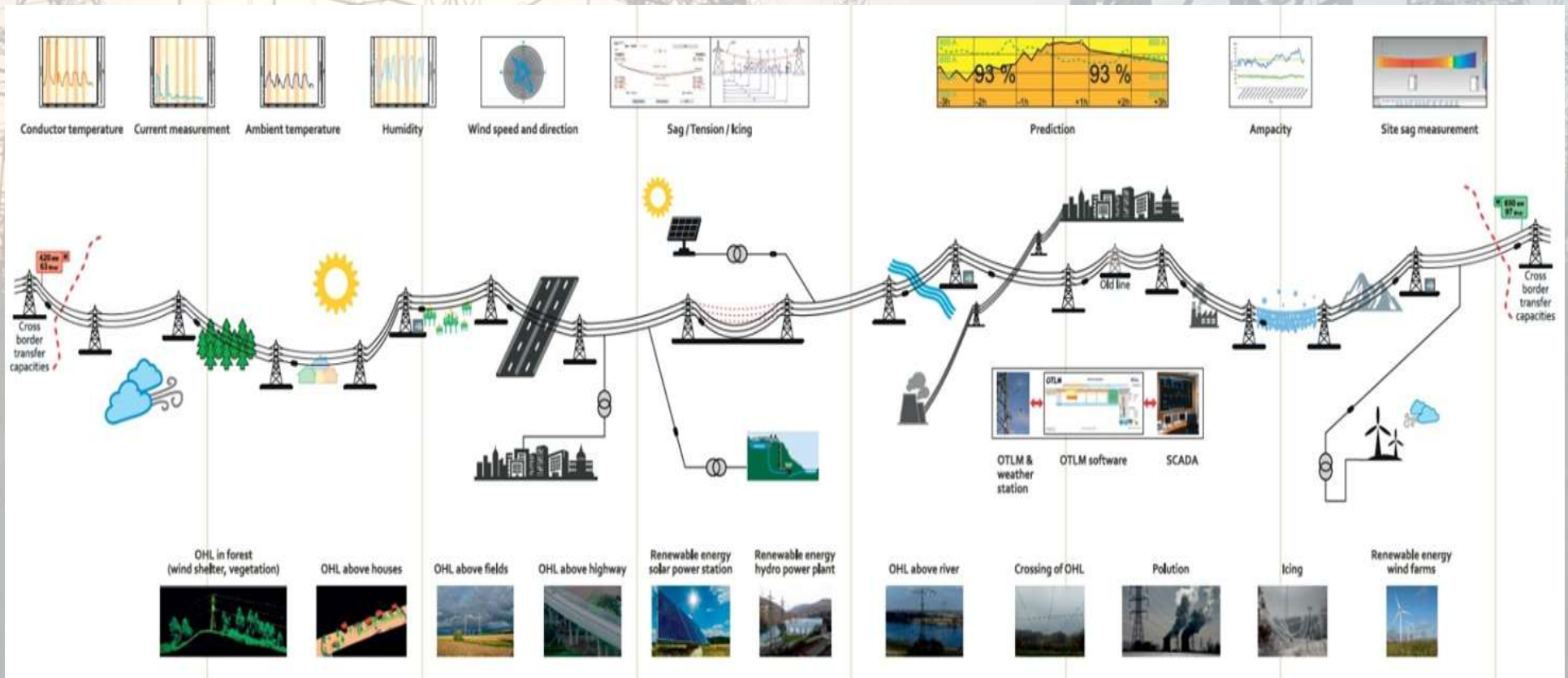
Smart loading on overhead lines





Smart loading on overhead lines

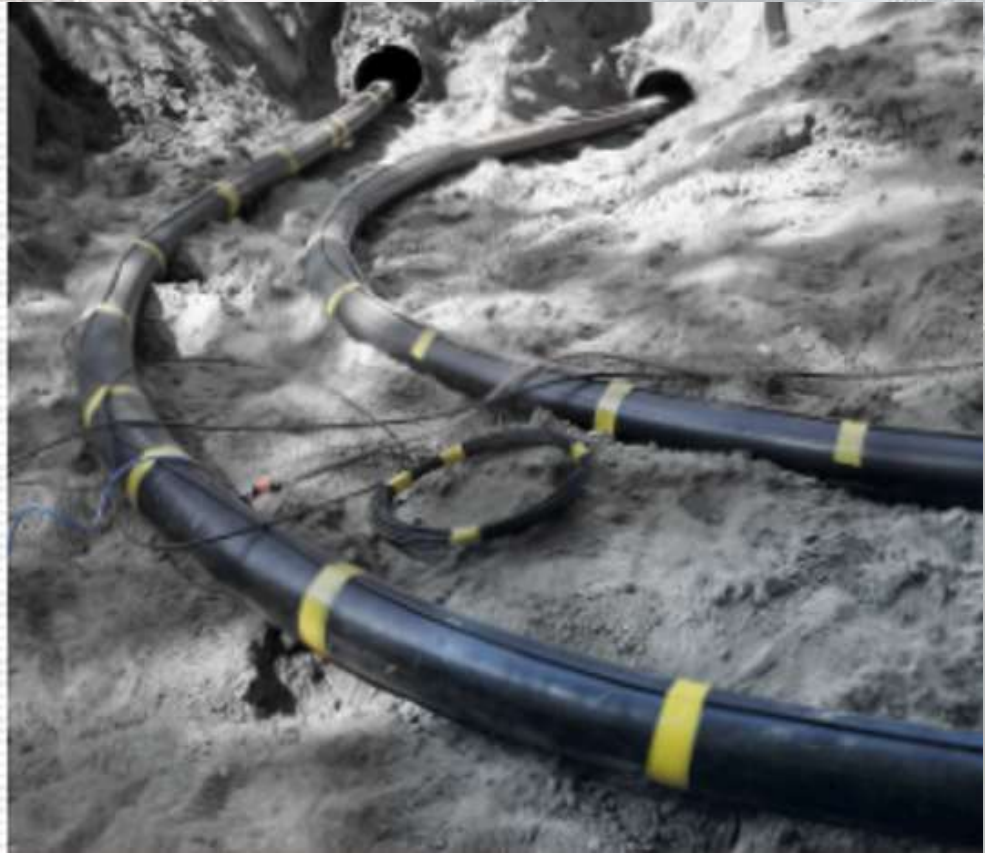
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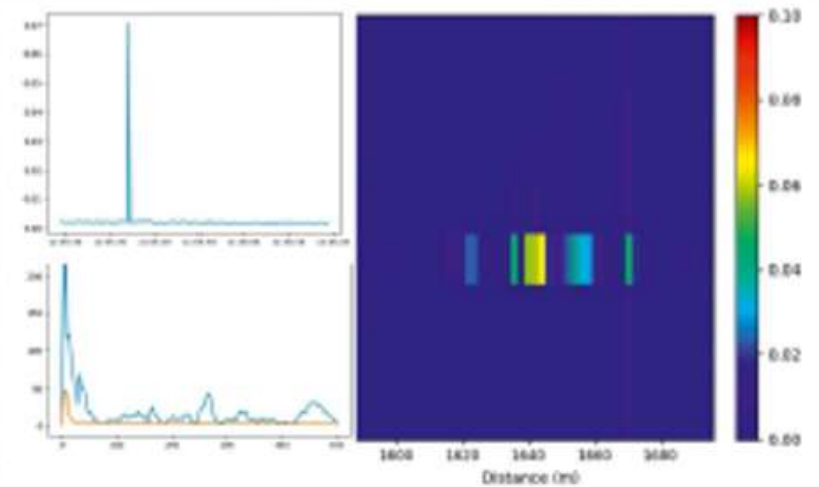
Smart loading on cables





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Smart loading on cables



Detection & Localization of Cable Fault



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Nano insulation coating for isolators and foundations





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Thank you for your attention

