



LATN  VVA™



 latnovva.com

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OUR
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SUCCESS
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ABOUT LATNOVVA

LATNOVVA WAS BORN WITH THE INITIATIVE OF A GROUP OF PROFESSIONALS WITH EXTENSIVE EXPERIENCE IN DIFFERENT ENGINEERING AREAS SUCH AS MECHANICAL AND ELECTRICAL INSTALLATIONS, MAINTENANCE, RENEWABLE ENERGIES, COMMISSIONING AND CONSTRUCTION.

WE OFFER OUR SERVICES TO THE MAIN NATIONAL COMPANIES IN THE COUNTRY AND INTERNATIONALLY IN THE COUNTRIES WHERE WE ARE ESTABLISHED, SUCH AS: UNITED STATES, MEXICO, CHILE, COLOMBIA, DOMINICAN REPUBLIC AND SPAIN.

INDUSTRIAL AND MAINTENANCE

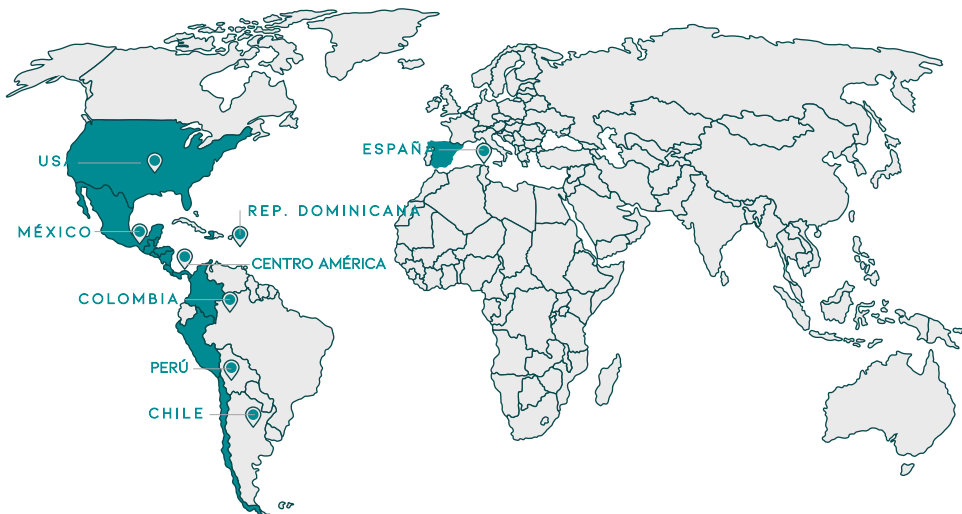
- BASIC AND DETAIL ENGINEERING
- ELECTROMECHANICAL INSTALLATIONS
- PROPERTY ENGINEERING
- COMMISSIONING
- O&M

RENEWABLE ENERGY

- PROPERTY ENGINEERING
- ELECTRICAL & MECHANICAL ASSEMBLY
- COMMISSIONING
- CONTROL ROOM OPERATIONS:
- O&M

E-MOBILITY

- PROPERTY ENGINEERING
- CONSTRUCTION IN BOP, BOS, AND EPC MODALITIES FOR PUBLIC OR PRIVATE CLIENTS
- COMMISSIONING
- O&M





2

INDUSTRIES



RENEWABLE
ENERGY




CONVENTIONAL ENERGIES
COMBINED CYCLES



INDUSTRIAL
SECTOR



ELECTROMOBILITY



3

LINES OF
ACTIVITIES

LATN  VVA™



ENERGY



1

PROPERTY ENGINEERING

(WIND, BESS, SELF-CONSUMPTION AND SOLAR):

- CONSTRUCTION SUPERVISION (H&S, ENVIRONMENT, ETC).
- COMMISSIONING SUPERVISION.
- INTERCONNECTION MANAGEMENT.
- QUALIFIED MANAGEMENT

2

ELECTRICAL AND MECHANICAL ASSEMBLY:

- MEDIUM AND LOW VOLTAGE CABLE LAYING AND INSTALLATION, INSTRUMENTATION INSTALLATION, STRING BOX INSTALLATION, INSTALLATION OF AUXILIARY SERVICES
- INTERCONNECTION OF SOLAR MODULES, INVERTER CONNECTION.
- PRIMARY AND SECONDARY EQUIPMENT ASSEMBLY.
- CCTV SYSTEM.

ENERGY

3

COLD AND HOT COMMISSIONING

- VLF, PARTIAL DISCHARGE AND CASING INTEGRITY TESTS.
- I/V CURVE, POLARITY AND OPEN CIRCUIT TESTS.
- AIR AND GROUND THERMOGRAPHY TESTS
- ISOLATION AND MEGGER TESTS.
- REFLECTOMETRY AND POWER TESTING (COMMUNICATIONS).

4


CONTROL ROOM OPERATIONS:

- SUPERVISE, CONTROL, AND OPERATE IN REAL-TIME, IN CONTACT WITH THE QUALIFIED SCHEDULING ENTITY (QSE), TO ENSURE THE EFFICIENCY, QUALITY, RELIABILITY, CONTINUITY, SAFETY, AND SUSTAINABILITY OF THE ELECTRIC SYSTEM.
- CONDUCTING PRE-OPERATIONAL AND OPERATIONAL TESTS, AS WELL AS PR.

5

OPERATIONS & MAINTENANCE

- PREVENTIVE AND CORRECTIVE SIGNIFICANT ISSUES ARISE, SUCH AS INSPECTIONS, CLEANING, MINOR PART REPLACEMENT, LUBRICATION, AND FLUID MONITORING.



3

LINES OF
ACTIVITIES

LATN © VVA™



E-MOBILITY

E-MOBILITY

THE SERVICES WE OFFER:



LATNOVVA PARTICIPATED IN THE ELECTRIC CHARGING STATION WITH THE LARGEST ELECTRIC CHARGING CAPACITY (4 MW) IN LATIN AMERICA IN MERIDA, YUCATAN



FEASIBILITY STUDY



SERVICE DEFINITION:
VEHICLE SELECTION



DEFINITION OF SERVICE:
DEFINITION AND/OR CONSTRUCTION
OF ELECTRICAL INFRASTRUCTURE



SERVICE DEFINITION:
DEFINITION OF THE CARGO
AND/OR FINANCING STRATEGY
(CAPEX AND OPEX)



FLEET MONITORING
AND CHARGING POINT



STORAGE MANAGEMENT
AND OPTIMIZATION WITH
INTEGRATION THROUGH OUR
SOFTWARE

OPERATION AND
MAINTENANCE



PROPERTY ENGINEERING



BASIC ENGINEERING
AND/OR DETAIL



EPC AND/OR BOS
MODALITY



CAPEX AND OPEX
MODALITY



PPA MODALITY




E-MOBILITY

THE SERVICES WE OFFER:



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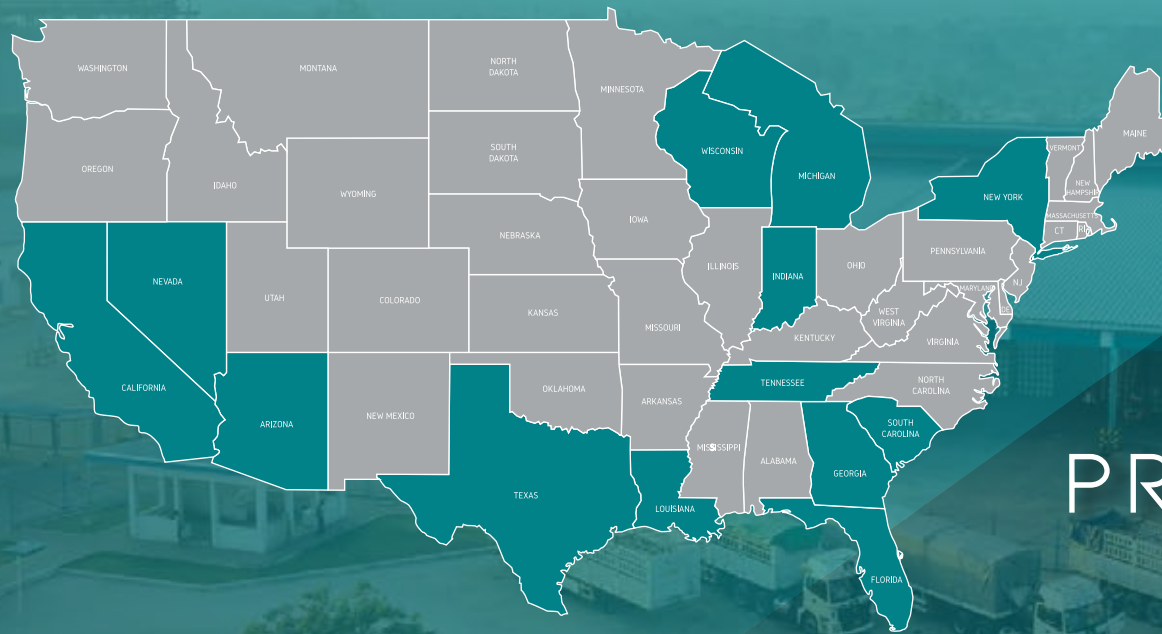


4

PROJECTS

LATN  VVA™





PROJECTS



ARIZONA

- WEST WING INTERCONNECTION PROJECT
230KV - ARIZONA, EEUU
- RED ROCK SOLAR PLANT
70MW - TUCSON., ARIZONA, EEUU
- DATELAND SOLAR PLANT
300MW - DATELAND, ARIZONA, EEUU

- WILMOT ENERGY CENTER
100 MW - WILMOT, ARIZONA, EEUU
- BRITTEBUCH SOLAR PLANT
200MW - PHOENIX, ARIZONA, EEUU
- WESTSIDE CALD SOLAR PLANT
150MW - PHOENIX, ARIZONA, EEUU

- RED ROCK SOLAR PROJECT
29MW - ARIZONA, EEUU
- DER PALOMA SOLAR PLANT
250MW - GILA BEND, ARIZONA, EEUU
- SUNSTREAMS SOLAR PLANT
90MW - CASA GRANDE, ARIZONA, EEUU



ARKANSAS

- NOVASOURCE SOLAR PLANT
150MW - EL DORADO, ARIZONA, EEUU
- CONWAY SOLAR HAPPY SOLAR PLANT
150MW - LITTLE ROCK, ARIZONA, EEUU

- PRAIRE MIST SOLAR PLANT
150MW - MONTICELLO, ARIZONA, EEUU

- CROSSETTE SOLAR PLANT
150MW - CROSETTE, ARIZONA, EEUU



CALIFORNIA

- ◎ BLYTHE MESA SOLAR POWER PROJECT
-700MW RIVERSIDE COUNTY, CALIFORNIA, EEUU
- ◎ CALIPATRIA SOLAR PV PARK
850MW - CALIFORNIA, EEUU
- ◎ DESERT SUNLIGHT SOLAR FARM 1
550MW - SUNLIGHT, CALIFORNIA, EEUU
- ◎ SAINT SOLAR & BATTERY PROJECT
100MW - SAINT SOLAR CALIFORNIA, EEUU
- ◎ VALLEY CENTER ENERGY STORAGE FACILITY
139MW - VALLEY CENTER, CALIFORNIA, EEUU
- ◎ ARLINGTON SOLAR PLANT
500MW - BLYTHE, CALIFORNIA, EEUU
- ◎ ARIKA SOLAR PLANT
200MW - DESERT CENTER, CALIFORNIA, EEUU
- ◎ DESERT PEAK SOLAR PLANT
200MW - DESERT CENTER, CALIFORNIA, EEUU
- ◎ DESERT HARVEST SOLAR PLANT
150MW - DESERT CENTER, CALIFORNIA, EEUU
- ◎ TERRA GEN SOLAR PLANT
200MW - LA POMONA, CALIFORNIA, EEUU
- ◎ EDWARDS SOLAR PLANT
200MW - MOHAVE, CALIFORNIA, EEUU
- ◎ DESERT HARVEST SOLAR FARM 2
850MW - CALIFORNIA, EEUU
- ◎ MIDWAY SOLAR PV PARK
133MW - CALIFORNIA, EEUU
- ◎ CRIMSON ENERGY STORAGE
350MW - CALIFORNIA, EEUU
- ◎ ARLINGTON SOLAR ENERGY CENTER
364MW - ARLINGTON , CALIFORNIA, EEUU
- ◎ PEAK SUNLIGHT STORAGE 2 BATTERY PROJECT
300MW - PEAK, CALIFORNIA, EEUU
- ◎ MCCOY SOLAR PLANT
500MW - BLYTHE, CALIFORNIA, EEU
- ◎ CONTE SOLAR PLANT
100MW - CALEXICO, CALIFORNIA, EEUU
- ◎ MOHAVE SOLAR PLANT
100MW - MOHAVE, CALIFORNIA, EEUU
- ◎ VALLEY CENTER SOLAR PLANT
150MW - EL CENTRO, CALIFORNIA, EEUU
- ◎ FALLBROOK BESS SOLAR PLANT
200MW - RANCHO CUCAMONGA, CALIFORNIA
- ◎ SANBORN SOLAR PLANT
200MW - MOHAVE, CALIFORNIA, EEUU
- ◎ MIDWAY SOLAR STORAGE FARM
100MW - CALIFORNIA, EEUU
- ◎ MCCOY SOLAR ENERGY PROJECT
250MW - CALIFORNIA, EEUU
- ◎ ARICA SOLAR PV PARK
270MW - CALIFORNIA, EEUU
- ◎ NOVA POWER BANK PROJECT
690MW - NOVA, CALIFORNIA, EEUU
- ◎ BLYTHE SOLAR PLANT
500MW - BLYTHE, CALIFORNIA, EEUU
- ◎ CRIMSON SOLAR PLANT
200MW - BLYTHE, CALIFORNIA, EEUU
- ◎ SUNLINGTH SOLAR PLANT
200MW - DESERT CENTER, CALIFORNIA, EEUU
- ◎ ROSAMOND SOLAR PLANT
100 MW - ROSAMOND, CALIFORNIA, EEUU
- ◎ CALD CENTER SOLAR PLANT
150 MW - LA POMONA, CALIFORNIA, EEUU
- ◎ MIDWAY SOLAR PLANT
200 MW - BRAWLEY, CALIFORNIA, EEUU
- ◎ BIG BEAU SOLAR PLANT
200 MW - ROSAMOND, CALIFORNIA, EEUU



FLORIDA

- ◎ CRESTVIEW ENERGY & STORAGE PROJECT
74.5MW – CRESTVIEW, FLORIDA, EEUU
- ◎ WING SOLAR PLANT
100MW – CRESTVIEW, FLORIDA, EEUU
- ◎ BLUE INDIGO SOLAR PLANT
100MW – CRESTVIEW, FLORIDA, EEUU
- ◎ PEACE CREEK SOLAR PLANT
100MW – JACSONVILLE, FLORIDA, EEUU
- ◎ WILD QUAIL SOLAR PLANT
100MW – CRESTVIEW, FLORIDA, EEUU
- ◎ DECANTUR SOLAR PLANT
100 MW – TALLAHASSEE, FLORIDA, EEUU

- ◎ CANOE SOLAR ENERGY CENTER
74.5MW – CANOE, FLORIDA, EEUU
- ◎ CANOE SOLAR PLANT
100MW – CRESTVIEW, FLORIDA, EEUU
- ◎ LITTLE MANATEE SOLAR PLANT
150MW – TAMPA, FLORIDA, EEUU
- ◎ CLEWISTON SOLAR PLANT
100MW – MIAMI, FLORIDA, EEUU
- ◎ PEARL RIVER SOLAR PLANT
210MW – TAMPA, FLORIDA, EEUU
- ◎ BIG JUNIPER SOLAR PLANT
100MW – CRESTVIEW, FLORIDA, EEUU

- ◎ PECAN TREE SOLAR ENERGY CENTER
75MW – FLORIDA, EEUU
- ◎ PEACAN TREE SOLAR PLANT
100MW – CRESTVIEW, FLORIDA, EEUU
- ◎ BALM SOLAR SOLAR PLANT
100MW – TAMPA, FLORIDA, EEUU
- ◎ ARCADIA SOLAR PLANT
100MW – ARCADIA, FLORIDA, EEUU
- ◎ MANATEE BESS SOLAR PLANT
210MW – TAMPA, FLORIDA, EEUU



GEORGIA

- ◎ OXBOW SOLAR PROJECT
345MW – OXBOW, GEORGIA, EEUU
- ◎ HAZLEHURST SOLAR PLANT
210MW – MACON, GEORGIA, EEUU

- ◎ TWIGGS SOLAR PLANT
150MW – SANDERSVILLE, GEORGIA, EEUU
- ◎ WHASHINGTON SOLAR PLANT
210MW – SANDERSVILLE, GEORGIA, EEUU

- ◎ WADLEY SOLAR PLANT
210MW – WADLEY, FLORIDA, EEUU

PROJECTS

 INDIANA

- ① NEXTERA CAVALRY SOLAR FARM
200MW – INDIANA, EEUU
- ① DUNNSBRIDGE SOLAR PLANT
300MW – DUNNS BRIDGE, INDIANA, EEUU
- ① CALVARY SOLAR PLANT
300MW – VALPARAISO, INDIANA, EEUU

 ILLINOIS

- ① PRAIRE WOLF SOLAR PLANT
200MW – CHARLESTON, ILLINOIS, USA
- ① MULLIGAN SOLAR PLANT
200MW – CHRISMAN, ILLINOIS, USA

 LUSIANA

- ① OXBOW SOLAR PLANT
210MW – BATON ROUGE, LUSIANA, EEUU
- ① ELIZABETH SOLAR PLANT
210MW – BATON ROUGE, LUSIANA, EEUU

 MICHIGAN

- ① ALBANY SOLAR PLANT
100MW – BATTLE CREEK, MICHIGAN, USA
- ① SUPPLY CHAIN SOLUTION SOLAR PLANT
100MW – BATTLE CREEK, MICHIGAN, USA

 NEVADA

- ① GEMINI SOLAR AND BATTERY STORAGE PLANT
210MW – LAS VEGAS, NEVADA, EEUU
- ① YELLOW PINE SOLAR
150MW – LAS VEGAS, NEVADA, EEUU

 NUEVA YORK

- ① HIGH RIVER SOLAR PLANT
100MW – ALBANY, NEW YORK, USA
- ① CLAYTON SOLAR PLANT
100MW – WATERTOWN, NEW YORK, USA



TEXAS

- ◎ THE BEAUMONT ENERGY STORAGE PROJECT
30MW – BEAUMONT, TEXAS, EEUU
- ◎ ARMADILLO SOLAR CENTER
200MW – CORSICANA, TEXAS, EEUU
- ◎ CROWN SOLAR
150MW – WACO, TEXAS, EEUU
- ◎ NORT FORK PLANT SOLAR
100MW – AUSTIN, TEXAS, EEUU
- ◎ MISSION SOLAR PLANT
100MW – MCALLEN, TEXAS, EEUU
- ◎ CORSICANA SOLAR PLANT
300MW – CORSICANA, TEXAS, EEUU

- ◎ BAT CAVE ENERGY STORAGE
100MW – BAT CAVE, TEXAS, EEUU
- ◎ NORTH FORK MASON SOLAR CENTER
100MW – MASON, TEXAS, EEUU
- ◎ NOBLE SOLAR PLANT
210MW – DALLAS, TEXAS, EEUU
- ◎ ELARA SOLAR
100MW – MASON, TEXAS, EEUU
- ◎ GULFSTART SOLAR PLANT
150MW – BAY CITY, TEXAS, EEUU

- ◎ 7V RACNH SOLAR PHOTOVOLTAIC PLANT
140MW – FAYETTE COUNTY, TEXAS
- ◎ SUNVALLEY SOLAR PLANT
200MW – WACO, TEXAS, EEUU
- ◎ PARIS SOLAR PLANT
150MW – PARIS, TEXAS, EEUU
- ◎ SEGUIN
150MW – AUSTIN, TEXAS, EEUU
- ◎ BAT CAVE SOLAR PLANT
200MW – SAN ANTONIO, TEXAS, EEUU



TENNESSEE

- ◎ BIG CYPRESS SOLAR PLANT
100MW – MILLINTON, TENNESSEE, EEUU
- ◎ PROVIDENCE SOLAR FARM
100MW – SOMERVILLE, TENNESSEE, EEUU
- ◎ SKYHAWK SOLAR PLANT
100MW – UNION CITY, TENNESSEE, EEUU
- ◎ SELMER SOLAR PLANT
60MW – SELMER, TENNESSEE, EEUU

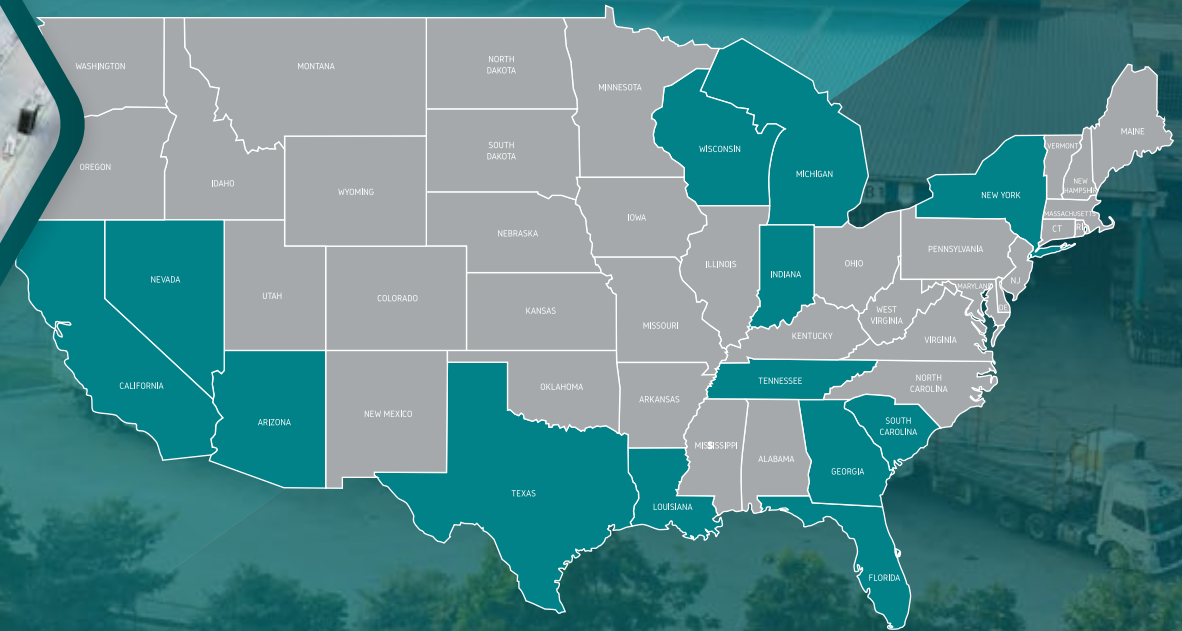


SOUTH CAROLINA

- ◎ THE SHAW CREEK SOLAR PROJECT
74.9 MW – SHAW CREEK, SOUTH CAROLINA



PROJECTS



WISCONSIN

- ◎ ARCH SOLAR PROJECT
30 MW - WISCONSIN, EEUU
- ◎ CEREAL CITY SOLAR
100 MW - CEREAL CITY, WISCONSIN, EEUU
- ◎ BEAR CREEK SOLAR PLANT
100MW - LONE ROCK, WISCONSIN, EEUU
- ◎ COSVILLE SOLAR PLANT
100MW - MONTROSE, WISCONSIN, EEUU
- ALBANY SOLAR PLANT
100MW - BRODHEAD, WISCONSIN, EEUU

- ◎ ALBANI SOLAR PROJECT
50MW - ALBANI, WISCONSIN, EEUU
- ◎ HARDY HILLS SOLAR FARM
195MW - HARDY HILLS, WISCONSIN, EEUU
- ◎ SPRINGFIELD SOLAR PLANT
100MW - SPRING VALLEY, WISCONSIN, EEUU
- ◎ WATOMA SOLAR PLANT
100MW - MADISON, WISCONSIN, EEUU
- BEAVER DAM SOLAR PLANT
100MW - BEAVER DAM, WISCONSIN, EEUU

- ◎ HAZLEHURST 1 & 2 SOLAR FARM
20 MW - HAZLEHURST, WISCONSIN, EEUU
- ◎ PADDOCK SOLAR PLANT
100MW - MADISON, WISCONSIN, EEUU
- ◎ NORT ROCK SOLAR PLANT
100MW - MONROE, WISCONSIN, EEUU
- ◎ DUANE ARNOLD SOLAR PLANT
100MW- RD POTOSI, WISCONSIN, EEUU



5

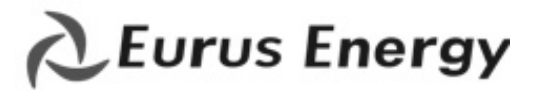
OUR
CUSTOMERS





5

OUR
CUSTOMERS





SUCCESS
CASES



6

SUCCESS
CASES

PFV PEÑASCO FASE II- CHINA ENERGY MÉXICO

- COMMISSIONING OF ELECTRICAL SOLAR FIELD AND 300 MW TRANSFORMATION CENTER.
- PREPARATION OF DOSSIER AND MANAGEMENT OF NETWORK CODE TESTS.
- INTERCONNECTION MANAGEMENT WITH CFE TRANSMISIÓN AND CENACE, COD AND PR TESTS.
- TIC MANUAL TESTS WITH CENACE.
- PREPARATION OF 1ST ENERGIZATION PROGRAM AND OPERATION MANUAL.



LATN @ VVA

ACOMETIDAS MEDIA TENSIÓN TREN MAYA- MÉXICO

- BASIC AND DETAILED ENGINEERING.
- MANAGEMENT WITH CFE FOR PROJECT AUTHORIZATION.
- CONSTRUCTION AND COMMISSIONING.



6

SUCCESS CASES

PFV GUAYEPO, LA UNIÓN Y SIERRA GORDA SUNGROW COLOMBIA/ CHILE



PROVISION OF QUALIFIED PERSONNEL ASSESSED BY OUR CLIENT FOR THE PERFORMANCE OF:

- 🎯 COLD AND HOT COMMISSIONING TO SUNGROW CONVERSION CENTER.
- 🎯 CONFIGURATION AND COMMISSIONING OF THIS EQUIPMENT.
- 🎯 PREVENTIVE AND CORRECTIVE MAINTENANCE SERVICES.



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PFV ANDALUCÍA II- EIFFAGE MÉXICO

🎯 ELECTRICAL INSTALLATION:

- PANEL ASSEMBLY.
- AC/DC CABLE INSTALLATION.
- INVERTER ASSEMBLY.
- COMBINER BOX ASSEMBLY.
- TRANSFORMER ASSEMBLY.
- CONNECTIONS.
- COMMISSIONING.

🎯 MECHANICAL ASSEMBLY:

- ASSEMBLY OF FIXED STRUCTURE TRACKER.
- ASSEMBLY OF SOLAR PANELS.



6

SUCCESS
CASES

COMBINED CYCLE FACILITIES SERVICES SAN LUIS POTOSI/ TSK MÉXICO



- INSTALLATION OF LIGHTING SYSTEM AND CONTACT.
- INSTALLATION OF SIGNALING BEACONS.
- INSTALLATION OF LIGHTNING ARRESTERS.
- INSTALLATION OF GROUNDING NETWORK.



LATN @ VVA



PE COROMUEL - EURUS ENERGY MÉXICO

- INTERCONNECTION MANAGEMENT WITH CFE TRANSMISSION AND CENACE
 - COD TESTING SERVICES.
 - COD PROGRAM AND PROCEDURE DEVELOPMENT SERVICE.
 - SERVICES FOR HANDLING FAILURES DURING COD TESTS.
 - COD REPORT DEVELOPMENT (VOLTAGE, FREQUENCY, POWER, VOLTAGE AND F.P. CONTROL)



6

SUCCESS
CASES

7V SOLAR RANCH – GRUPO ORTIZ EEUU

- ① OPERATIONAL CONTROL OF THE PROJECT FROM THE COMMISSIONING PHASE TO ENTRY INTO OPERATION.
- ① ADVICE ON PERFORMANCE TESTING.



LATN  VVA

BLYTHE SOLAR POWER/ CALIPATRIA- POWER ELECTRONIC EEUU

- ① PROVISION OF ADVANCED PROFESSIONAL STAFF:

- COLD AND HOT COMMISSIONING OF INVERTERS/TRANSFORMERS AND BESS.
- TROUBLESHOOTING AND RETROFITTING OF INVERTERS/TRANSFORMERS AND BESS.



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