

INTERNATIONAL EXPANSION AND MAIN MILESTONES I



2014-15-16



2006

QATRO establishment

► COMM E CCGT As Pontes 800 MW **Spain**
UTE Duro Felguera – Técnicas Reunidas

2007

► COMM E+I&C CCGT Moerdijk 430 MW **Netherlands**
T Reunidas

2011



► COMM **CSP** Orellana 50 MW **Spain**
Acciona Energía

2012

► COMM E+I&C **CSP** Kaxu 100 MW **South Africa**
Abengoa

2014



► SUP construction E+I&C ► COMM E+I&C **CSP** Khi 50 MW
CSP Xina 100 MW **South Africa**
Abengoa

2015

► SUP construction E+I&C ► COMM E+I&C **Biomass** SP BioEnergy 30 MW **Dominican Republic**
Cobra / SP BioEnergy



► COMM **Photovoltaic** Romero Solar 196 MW **Chile**
Acciona Energía



Long professional career in technical departments of Endesa Generacion

1st international project

Opening QATRO South Africa

Opening QATRO República Dominicana

Opening QATRO Chile

Certification integrated system:
ISO 9001
ISO 45001
ISO 14001

Naturgy approvals:
Electrical protections
Termography
Power Transformers
HV Circuit breakers

Repsol qualification:
Maintenance and electrical test

INTERNATIONAL EXPANSION AND MAIN MILESTONES II



2016-17

► COMM E+I&C CCGT Los Mina 180 MW
Dominican Republic
Técnicas Reunidas

► COMM E+I&C CCGT 240 MW Dead Sea Works
Israel Abengoa / ICL



Opening QATRO Israel

2017

► COMM E+I&C Cogeneration Aconcagua 77 MW
Chile Duro Felguera



► COMM + SUP assembling Photovoltaic 100 MW Atacama I
Chile Abengoa



ENEL Approval: Power Transformers maintenance

2018



► Frame Agreement EROM: Electrical test Power Substations
Wind farms
2018 – today **Spain - Portugal**



Framework agreement Diael: Partial discharges

2019

► COMM E+I&C CCGT WAS 1390 MW
Saudi Arabia
GE / Abengoa

► COMM E+I&C CCGT Hadera 140 MW
Israel Idom



► COMM E+I&C **CSP** Cerro Dominador
Chile
Acciona I - Abengoa

► COMM E+I&C
► Owner's engineering
Biomass Curtis 50 MW
Spain
Acciona I – Imasa / Greenalia

2020

► COMM I&C CCGT Beertuvia 450 MW
Israel Siemens



► COMM E
Photovoltaic DeWildt 50 MW + Zeerust 75 MW
South Africa Cobra



EDP Renewables Approval: FAT attendance Commissioning

INTERNATIONAL EXPANSION AND MAIN MILESTONES III



2021

► COMM E
Photovoltaic
Malgarida 238 MW
Chile Acciona E



► COMM E+I&C
Biomass Ghent
20 MW
Bélgica Elecnor



► O&M E+I&C
CSP 110 MW
Cerro Dominador
Chile
Acciona Industrial



► COMMs E PSs **Wind farms**
EDP Renewables
Europe



2022

► COMM E+I&C+M+O
WtEnergy Ness
150.000 Tm / 15 MWe
UK Acciona I



► COMM E
HPP Villa Toce
Italy ENEL



Opening
QATRO
United Kingdom

SIEMENS Approval
Electrical protection
and control

Frame Agreement
ACCIONA Energía
Commissioning
Photovoltaic

ABB HITACHI
Approval
Electrical
installations

Frame Agreement
ENEL Green Power
Retrofit Commissioning
Hydroelectric power plants

- QATRO Chile SpA permanent technical Staff
Chile – LATAM
PSs + fast response specialised services + ...
- Development on **SPECIALIZED TESTS**
on **Hydroelectric Power Plants:**
Dynamic response hydraulic and electrical machines
- Tests and Commissioning
for **Energy Storage Systems**
- **TECHNICAL AUDIT**
Fault solving and RCA studies
Photovoltaic and Wind Farms