



# CORPORATE PRESENTATION



## APLICACIONES TECNOLÓGICAS

WE  
ALERT

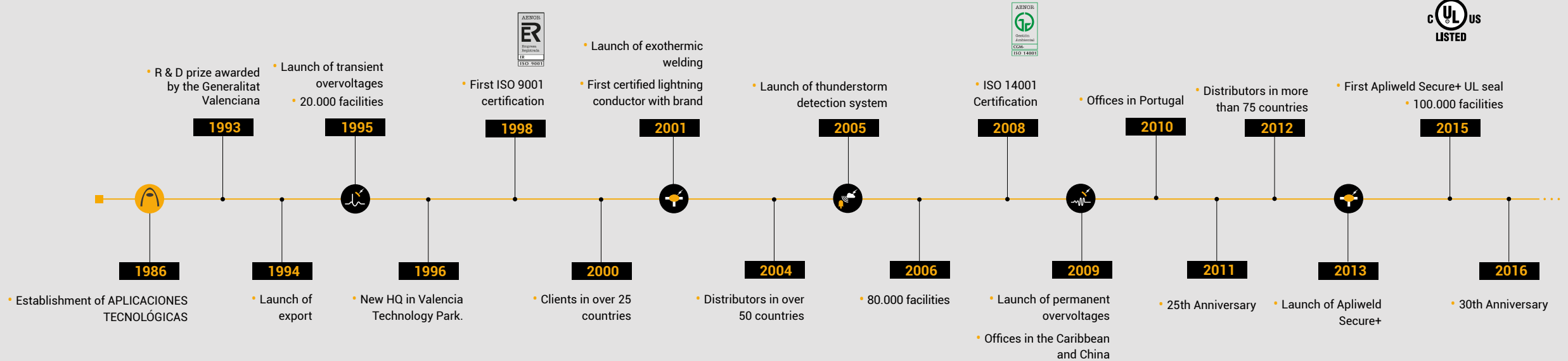
WE  
CONNECT

WE  
PROTECT

We offer **technologically advanced solutions for lightning protection**. Our specialisation areas include research, development, production and commercialisation of every element which is part of the lightning protection system. For over 30 years, we have been technology leaders in our field thanks to our strong commitment with innovation, quality, client satisfaction and environmental respect.

# HISTORY

With over 30 years of market presence, **Aplicaciones Tecnológicas** has accomplished important achievements, recognition and innovation.



## OUR VALUES



### Client Satisfaction

We care about understanding our client needs to be able to give them a solution to their problems while taking respect, kindness, quality, opportunity and excellence into consideration.



### R&D

We have invested heavily in this area. Our R&D department is composed of a multidisciplinary team of engineers, physicists and chemists.



### Environmental responsibility

Environmental Management System certification according to standard **UNE-EN ISO 14001: 2015**, certificated by IVAC.





**Quality:**  
Solutions and products  
beyond the regulatory  
requirements

Company registered by **AENOR**  
for quality assurance system in  
accordance with standard  
**UNE-EN ISO 9001:2015** for all of  
our products and services.

**AENOR**



**Standardisation:**  
Participation and dedication

We promote the evolution of the  
standard regulations in our field  
by participating actively in both  
national and international  
standardisation committees.



**WE ARE  
MANUFACTURERS**

Our **6 specialisation lines** in this **division** include research and development, production and commercialisation of:



**LOCAL STORM  
DETECTION**



**AIR TERMINALS  
AND ACCESSORIES**



**EARTHING**



**EXOTHERMIC  
WELDING**



**TRANSIENT  
OVERVOLTAGES**



**PERMANENT  
OVERVOLTAGES**



## INTERNATIONALISATION



### Lightning protection in the five continents

Aplicaciones Tecnológicas is represented in more than 80 countries in the five continents, developing lightning protection projects and adapting ourselves to the needs and demands of the country.

Our headquarters is in Valencia (Spain) and we have branches in Madrid, Barcelona, Portugal, China and The Caribbean.





## LABORATORY



### R&D

Aplicaciones Tecnológicas has its own laboratory with state-of-the-art technology & equipment which allows to develop and test our products under the most strict criteria.

- Current pulse generator up to 300kA with combined 8/20  $\mu$ s wave.
- Current pulse generator up to 250kA with combined 10/350  $\mu$ s wave.
- Voltage pulse generator up to 1000kV.
- Climate Chambers.



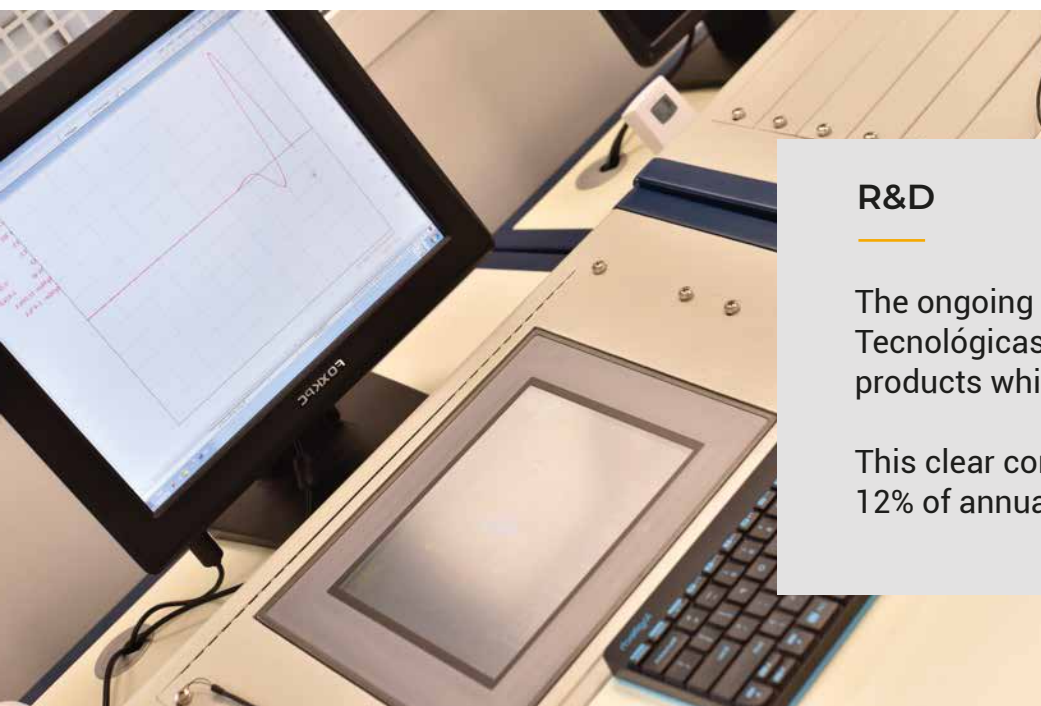


## R&D

### R&D

The ongoing development of new products, services and procedures is part of the Aplicaciones Tecnológicas DNA. We believe the quality of the client service starts by offering them innovative products which satisfy their needs.

This clear commitment with R&D is visible with 20% of personnel dedicated to R&D projects and 12% of annual turnover invested over the last 10 years.





### Technology to connect

Aplicaciones Tecnológicas understands the importance of collaborating with all of the key players involved in the innovation process:

- Universities and Technical Colleges: Developing joint research projects, carrying out different initiatives and granting scholarships.
- Public Administrations: Participating in different projects financed with national and international funds.
- Clients: Developing innovative projects.



## REFERENCES AROUND THE WORLD



Wanda Metropolitan Stadium



Zhuhai-Macao Bridge



Tower of Chaoyang  
Olympic Park



Madrid-Barajas Airport



National Lisbon Pantheon

**WE  
ALERT**

**WE  
CONNECT**

**WE  
PROTECT**

**ATSTORM®**

Expert local early warning  
system for lightning storm  
risk prevention



### Maximum efficiency

- **Detection during all phases of a thunderstorm**  
We monitor both the electrostatic and electromagnetic fields, enabling the maximum anticipation when there is risk of a lightning strike.
- **Fully electronic, with no moving parts**  
Our equipment does not use moving mechanical parts, preventing blockages, wear and failures.
- **Operated by specialists through Internet of Things (IoT)**  
The system is remotely operated, ensuring its proper functioning at all times.
- **Expert system**  
Continuous improvement of its algorithms, increasing their adaptation to the monitored local characteristics.
- **Risk alerts via multiple channels**  
Our customers receive the risk alerts through multiple channels: Mobile app, tablet, private web portal, emails and remote activation of alert devices.
- **Ad-hoc projects**  
We study each location and determine the best system configuration in terms of number of electromagnetic field sensors and positioning of the detection units.

### Allows to:

- ✓ Prevent occupational hazards
- ✓ Suspend work or outdoor activities
- ✓ Suspend or postpone dangerous operations
- ✓ Disconnect electronic equipment
- ✓ Activate auxiliary power systems
- ✓ Evacuate people





### ESE Lightning rod for protecting structures and open areas against lightning strikes

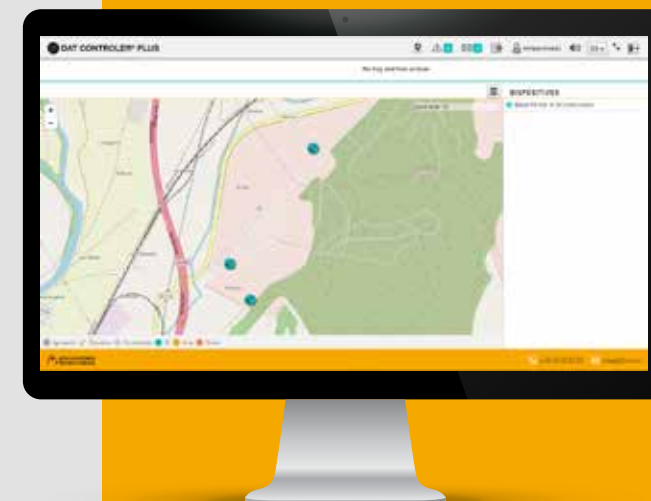
- Certified withstand current: 20 x 100 kA (10/350  $\mu$ s).
- Certificate of performance under rain conditions.
- Self-Diagnosis.
- IoT Connectivity.
- AENOR Product certification.
- Compliance with applicable Spanish and International standards and regulations (Standard UNE 21.186, Technical Building Code SU8; EN 50.164, NP 4426, NFC 17.102 and NC 1185:2017).

## DAT CONTROLLER<sup>®</sup> REMOTE

Early Streamer  
Emission Air Terminal



### WEBSITE PLATFORM SELF-DIAGNOSIS AND CONTROL OF DAT CONTROLLER<sup>®</sup> REMOTE





## APLIWELD® SECURE+

Exothermic welding system innovation



Earthing systems and their connections should last for the lifetime of a building. The exothermic welding system APLIWELD® Secure+ meets this objective better than mechanical connections or other types of welding.

### ¿What is Apli weld® Secure+?

**APLIWELD®-T:** Tablet format compound. Unique compound reference for all welds. Reduces stock and storage costs.

**APLIWELD®-E:** Non-flammable electronic starters and Bluetooth enabled electronic ignition equipment. Focuses on maximising labour risk prevention.

PERFECT  
CONNECTIONS

OPERATIONAL  
COST  
SAVINGS

LABOUR RISK  
PREVENTION





## APLIWELD® SECURE +

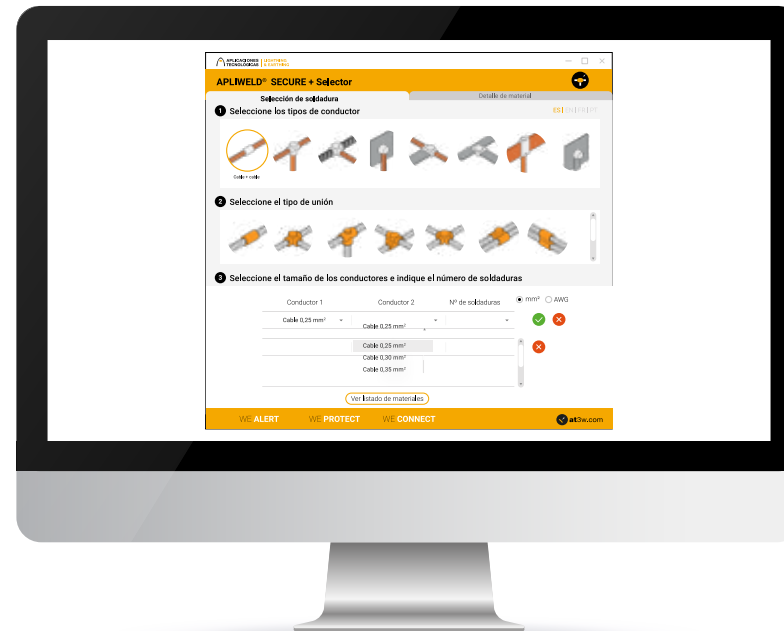
Exothermic welding  
system innovation



### SOFTWARE APLIWELD® SECURE+ SELECTOR

Calculation of moulds, number of tablets, igniters and required accessories for the design of earth grid projects.

Simple, quick and efficient.





# INTERNAL PROTECTION

Transient and Permanent  
Overvoltages



**MORE  
THAN 500  
REFERENCES**

- Power Supply Lines.
- Data Lines.
- Telephone Lines.

✓ Comply with standard IEC 61643



**ATSHOCK**  
Series



**ATSUB**  
Series



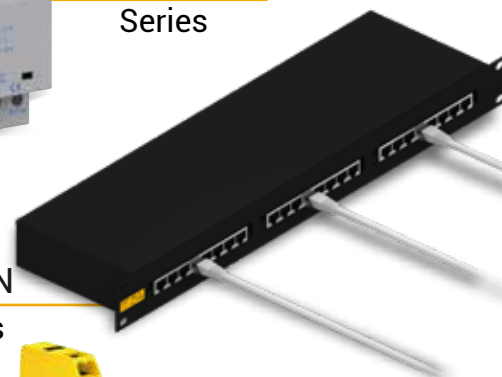
**ATCOVER**  
Series



**ATFREQ**  
Series



**ATCONTROL**  
Series



**ATLAN**  
Series



**ATFONO**  
Series

Protection against transient (very short duration) as well as permanent overvoltages (several cycles). Avoids economic losses caused by the reposition of the damaged components, as well as the indirect expense caused by the disruption in service and production processes.

## Extensive catalogue

Over 500 overvoltage protection solutions for electrical supply lines as well as telephone and data lines.





LOCAL STORM  
DETECTION



AIR TERMINALS  
AND ACCESSORIES



EARTHING



EXOTHERMIC  
WELDING



TRANSIENT  
OVERVOLTAGES



PERMANENT  
OVERVOLTAGES



## APLICACIONES TECNOLÓGICAS S.A.

Parque Tecnológico of Valencia

 C/Nicolás Copérnico St.,4 - 46980 Paterna (Valencia), SPAIN.

 (+34)961 318 250  [atsa@at3w.com](mailto:atsa@at3w.com)  [at3w.com](http://at3w.com)

Follow us on:

