



3,000

Number of IDOM

PROFESSIONALS

Areas of activity:

INDUSTRY & ENERGY
TRANSMISSION & DISTRIBUTION
ADVANCED ANALYSIS
ARCHITECTURE
CONSULTING
ENVIRONMENT

HYDRAULIC & HYDROLOGIC INDUSTRY & ENERGY TRANSPORT NUCLEAR TELECOMMUNICATIONS URBAN PLANNING

€350_м

Turnover

delivering professional services

600

Partners

a culture of angagement

80%

International

activity

EMPOWERING YOUR GRID EMPOWERING YOUR FUTURE

With 60 years of experience, IDOM is a leading international company working in all areas of the energy sector: from generation to consumer infrastructure, covering everything from strategic planning, conceptual design, the detailed engineering of small to large-scale facilities or the provision of management services.

Our multidisciplinary team of engineers, consultants and environmental specialists are working in over 125 countries delivering a full range of services to both public and private clients in the electricity sector. Among these clients are Utility Companies, Transport System Operators, EPC Contractors, Developers and Investors.

We have a wealth of experience and expertise in all features of electrical grids and all types of electricity generation technologies, not just domestic but also for large industrial consumers. This means that IDOM can offer a global approach to Electric Power Consultancy, essential for the development of next generation grids, and intelligent grids for the consumer. Reliability, load management and distributed generation are key to empowering your grid.



INDEPENDENT PROFESSIONAL SERVICES COMPANY

The competitive advantage of IDOM lies in our human capital and our global structure.



+ 125 COUNTRIES WITH PROJECTS

40
OFFICES
around the world

TRANSMISSION & DISTRIBUTION

AREAS OF KNOWLEDGE

Since 1957, IDOM has been providing highly specialized solutions for the electricity and industrial sectors, covering a wide range of products in the following areas of expertise:

Network Planning.

Power System Assessment/Audits.

Power Regulation.

Electrical System Studies.

T&D Engineering.

Management and Procurement.

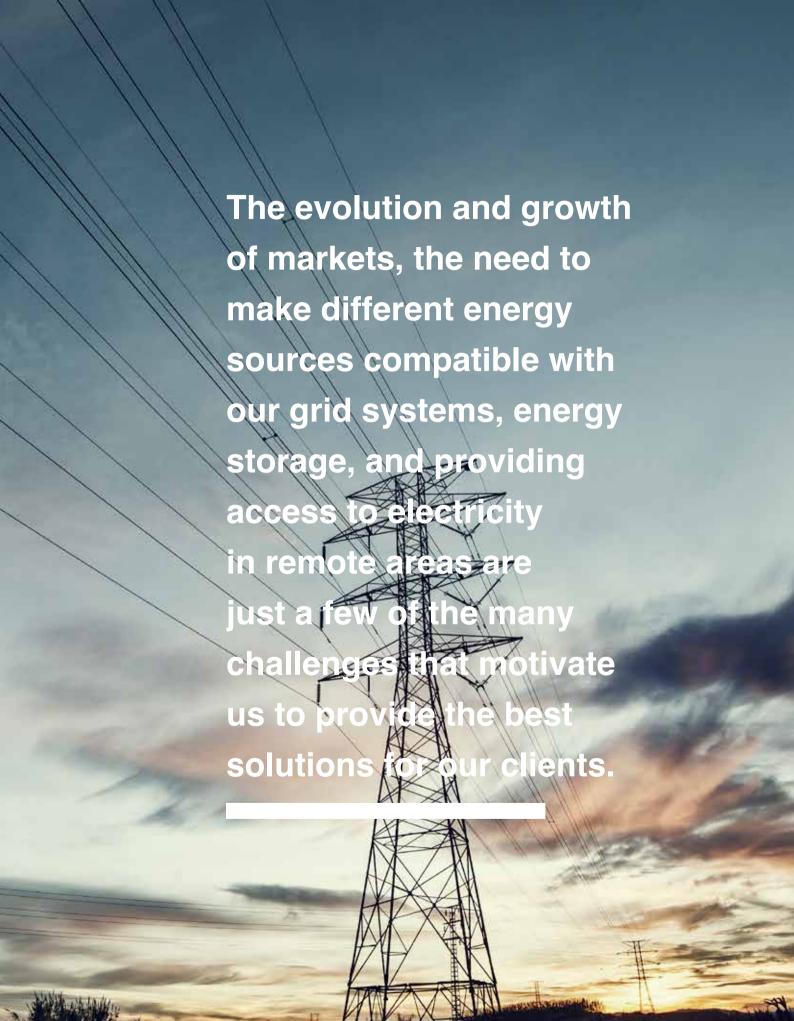
Construction Supervision.

NETWORK PLANNING.

SOLUTIONS:

Load demand forecasting	Efficiency improvement programs
Generation strategies for large and small markets	Grid expansion and uprating
Planning Management: design criteria and assistance	Undergrounding program evaluation
Isolated power systems: mining, industrial facilities	Feasibility studies (HVAC/HVDC, cable links)
Integration of renewable energies in TD Systems	Operation procedures for TSO/DSO





POWER SYSTEM ASSESSMENT/AUDITS.

IDOM assists Utility Companies in upgrading and evolving their facilities, providing services such as periodic analysis of specific parameters or major services to improve the levels of quality and reliability.

We work with the client on projects such as amending maintenance proceedings and logistic plans for the existing facilities, reviewing and updating them in order to reduce the impact of incidences, optimizing costs and minimizing the energy recovery time of the network in the event of incidents:

Maintenance plans and supervision (Plants, TD facilities)

TD networks assessment: security, reliability, supply indexes

Operation, protection and control procedures and criteria

Automation and definition of load control programs for low capacity systems

Energy storage applications (batteries, energy flywheels, etc.)

Vulnerability analysis of power systems (weather, sabotages)

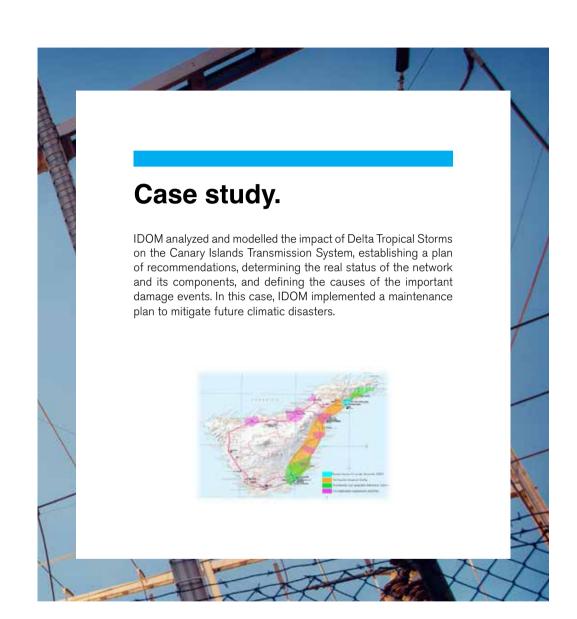
Incident forensic assessments

Evaluation of capability the adopt new technologies

Geographical information system applications

Conceptual design of load dispatch centres (network, renewable power plants, etc.)









POWER REGULATION.

IDOM has a specialized team of expert consultants to assist the client in adapting to new regulation efficiently and effectively, minimizing impact and ensuring uninterrupted economic returns from all the company's assets:

Transaction value assessments

Support to adapt the organizations to new markets structures, privatizations, mergers

Energy markets design

Capital cost compensation models for T&D facilities

Energy pricing policies

Private access to TD grids

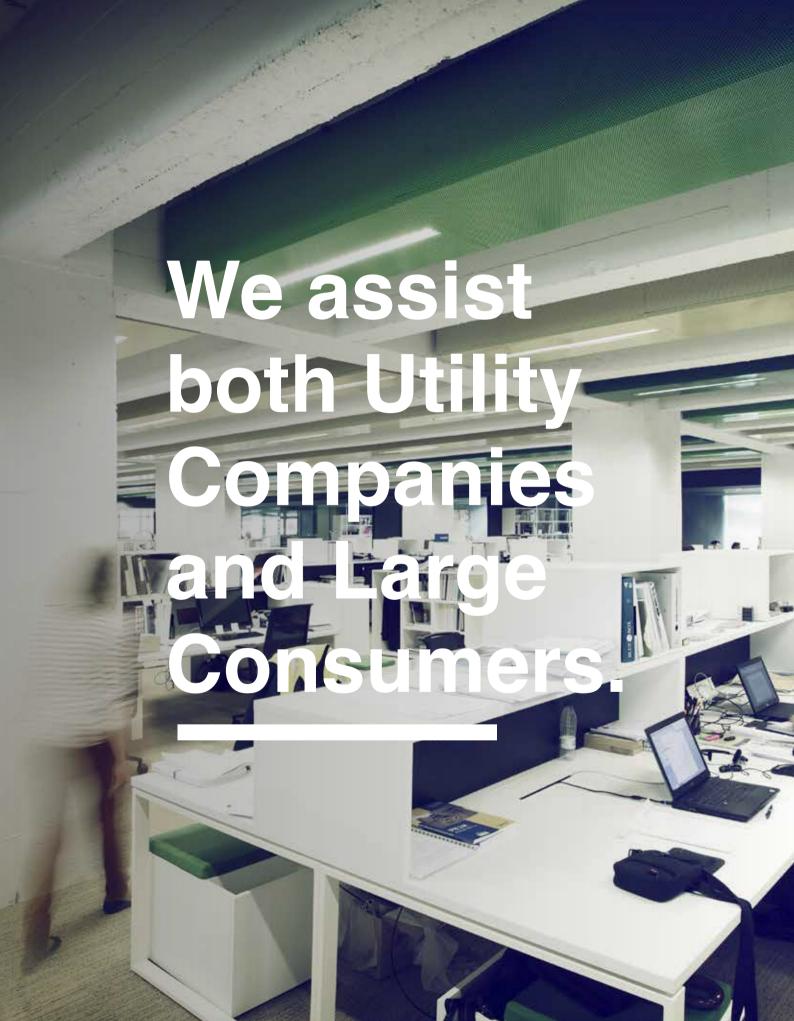
Electricity Regulatory Assistance for administrative entities



ELECTRICAL SYSTEM STUDIES.

IDOM EMD (Electricity Modelling Department) assists Utility Companies and Large Consumers, in adapting and optimizing their facilities, and setting values for optimal and efficient operation:

Network, generation and load modelling	Arc Flash Safety
Steady and dynamic electrical studies	Harmonic Assessment
Load flows	Ground systems
Short circuit analysis	Insulation and protection device coordination
Cable rating	Automation of electrical systems
Specification of new units (transformers, banks, generators, batteries, switch gearing)	Remote control and telecomms



T&D DESIGN.

IDOM designs electric power transmission and distribution facilities for Utility Companies, Generation Companies, Refineries, Large Manufacturers and EPC Contractors:

Master plans	Specifications and standards
Tender evaluation	Construction general support
Procurement Services support	Special Equipment design (Advanced Design)

Conceptual, detailed engineering and technical assistance for:

- Overhead lines HVAC/HVDC
- Cables HVAC/MVAC/HVDC
- AC Substations
- Refurbishment of HV substations
- HVDC Converter stations

- Operation Centres
- HV Labs
- Energy Storage Systems
- Smart Grids









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