

## Energy efficiency and microgeneration

Contact: **Tania Saenz-Lopez**

<http://eficienciaenergetica.tesicnor.com/>

### 1. ENERGY AUDITS

Objective: We are committed to optimizing energy consumption, resulting in cost reductions of up to 40% and improved the competitiveness of the company. We involve the company in the efficient use of energy and the utmost respect for the conservation of the environment. According to UNE 21650

#### Added value:

- Study of current Inventory
- Network Analysis.
- Thermographic inspection.
- We include -concrete proposals of saving solutions, easy to apply.
- We deliver and present all documentation.

### 2. STREET LIGHTING AUDIT

Objective: We strive for optimization of energy consumption, resulting in cost reductions of up to 25% and improved the competitiveness of the company.

Rules applied: IDAE Protocol for energy audit of street lighting facilities.

### 3. ENERGY CERTIFICATION

We make energy Certifications, a document that describes the building's energy efficiency, giving the rating that reflects its current status. System with letters, similar to the appliances. Document required by RD 47/2007 for:

- New buildings.
- Renewals of more than 25% in buildings over 1000 m2.
- Prior to 2013 also at:
- Private housing for sale or rent.

### 4. ENERGY MANAGEMENT

Services: consulting and energy management, aims to achieve efficient and economical buildings permanently.

Analysis Application Finding solutions and savings.

According to: UNE-EN16001 and ISO 50001

### 5. COMPANY ENERGY SERVICES

The advantages of hiring an ESCO include:

- Saving energy and money.
- No investment.
- Without assuming additional duties and responsibilities.

### 6. TRAINING

Services: Through a theoretical and practical training tailored to the needs of the customer and a wide variety of subjects our aim is:

- To enable internal staff to achieve ongoing savings in buildings.
- To train energy managers, the best way to save and get efficient facilities.

### 7. ISO 50001

ISO implanted Energy Efficiency.

- We facilitate certification .

### 8. MICROGENERATION

Objective: To produce, store and supply energy in the place where it is installed generation plant.

#### Perform:

- Studies of Energy District implementation.
- Study of the different implementation of RES.



## Quality inspectors

Contact: **Izaskun Martínez**

<http://www.tesicnor.com/calidad>

TESICNOR SL in its internationalization process serves quality inspections in wind farms under construction. The presence of a Quality Inspector is a sine qua non quality rule for the monitoring of materials, reporting and management of nonconformities and the production of records and reports required for the successful implementation of a wind farm.

TESICNOR SL does your quality inspections domestically both and internationally, we have presence in countries like Mexico, Honduras, Egypt, Morocco and throughout Europe.



## Our websites and social networking activity

Contact: **Aitor González**

[agonzalez@tesicnor.com](mailto:agonzalez@tesicnor.com)

### WEB



Main site:  
[www.tesicnor.com](http://www.tesicnor.com)

### SHOP



To buy our products:  
[www.tienda-eem.tesicnor.com](http://www.tienda-eem.tesicnor.com)

### TWITTER



To keep up to date:  
**Industrial Safety (@tesicnorsin)**



**Training (@tesicnorforma)**

### FACEBOOK



To gather every days news:  
**Training:**  
(<http://www.facebook.com/profile.php?id=100002467832769>)

### LINKEDIN



If you want to contact our team:  
[www.linkedin.com/company/tesicnor](http://www.linkedin.com/company/tesicnor)

### BLOGS:

For more on products and services:



**Industrial Safety:**  
<http://imaranon.tesicnor.com>



**Document management:**  
<http://tdoc.tesicnor.com>



**Supplies:**  
<http://consignacion-loto.tesicnor.com>



**Online training:**  
<http://gesfor.tesicnor.com>



**Energy efficiency:**  
<http://eficienciaenergetica.tesicnor.com>

### YOUTUBE



To see our activity  
<http://www.youtube.com/user/tesicnorsl>

### ISSUU



To download our publications:  
<http://issuu.com/tesicnor>

### NOTAS

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"Since 1995 the Technical Secretariat for the Prevention of Risks of ESA"



"Always training to work safely"



Photo: Facade of Tesicnor.

## "Technical consultancy in Maintenance Engineering and Occupational Health and Safety"

- ▶ We provide industrial and citizen safety.
- ▶ We are leading company in the field of Renewable Energies.

### Our values

based in NOAIN- Navarra- Spain

### PROFESSIONALISM:

We offer a responsible and quality full work in a multidisciplinary approach based on continuous improvement and optimization of resources.

understand and adapt to our customers needs quickly and efficiently.

### INNOVATION:

We work constantly to think and develop innovative, efficient and practical solutions to help our customer to anticipate different or changing environments.

### FITNESS:

We make every effort to quickly adapt to the needs and different requirements of each customer, because everyone deserves special attention.

### AVAILABILITY AND AGILITY:

Concentration, focus, we deliver an attitude of ongoing effort to



## Engineering

Contact: **Rodrigo Gómez**

<http://www.tesicnor.com/ingenieria/>

Within the broad field of engineering, we can develop mechanical designs and analyze existing ones in order to verify their compliance with current regulations.

### DESIGN TOOLS

- Design, construction and certification of tools. Development of:
- Testing (Testing the bearing capacity of devices designed as anchor points)
- Adaptation of machines (Compliance with the Law on Prevention of Occupational Risks and its associated regulations, RD 1215/1997).
- Testing and Review of lifting tools and assisting elements (Verification of correct use and resistance status).

### MAINTENANCE AND FACILITIES

- Maintenance of PPE (visual inspection, dimensional and performance)

- Installation and maintenance of lifelines. (Authorized installer and distributor of major brand names in the fall protection industry)
- Preventive maintenance for wind turbines.
- Perform inspections and reviews of verification of hardware of wind turbines.
- Control of torque.
- Review and inspection of lifelines.
- Review and inspection of emergency descenders.
- Review and inspection of hoists for lifting materials.
- IT tool that enables easy maintenance control (Progesmant).



## Job safety: H&S risk management and Coordination

Contact: **Angel Alfonso**

<http://www.tesicnor.com/construccion/>

We provide coordinators of safety and health, both in preparation of the project (if several designers are involved) and in the implementation phase of the work (if the implementation involves more than a company or self-employed partners).

### H&S COORDINATION

- Construction of Renewable Energy facilities :
- Wind
- Solar
- Hydro

### STUDY OF SAFETY AND HEALTH

- Electrical Substations
- Measurement Towers
- Civil works: earthworks

### HEALTH AND SAFETY PLAN

### ADVISORY WORK FOR CONSTRUCTION COMPANIES.



## Training

Contact: **Juan López**

<http://www.tesicnor.com/formacion/>

Tesicnor Training advocates for theoretical and practical training for the worker in prevention and safety. Quality, professionalism and geographic availability are our identity trademarks.

### PRODUCTS AND SERVICES

#### 1. Design and development of instructional materials

#### 2. Taught courses

- H&S Risk prevention in the wind sector:
  - Risks in Wind Farm
  - Emergency Descents from wind turbines
  - Use and evacuation lifts in wind turbine
  - Rescue drills
  - Etc. (More than 100 courses available.)

- Electrical hazard
- Industrial and citizensafety
- Safe use of machinery
- H&S for Construction Sector

#### 3. Online training solutions: GESFOR

#### 4. Testing, developing and drafting rescue procedures in different emergency scenarios.

#### 5. Rental of classrooms and simulator practice.



## Industrial and citizen safety

Contact: **Iñigo Marañón**

<http://imaranon.tesicnor.com/noticias/>

Industrial and Citizenship Safety aims to prevent and limit risks, and protection against accidents and incidents capable of causing damage or injury to persons, property or the environment.

Our main services are:

### EXPLOSIVE ATMOSPHERES

- Classification of Zones.
- Preparation of DPCEX.
- Assessment of equipment to ATEX Zone Classification.
- Analysis of consequences of the risks of explosion.
- Safe work procedures.
- Training in Prevention and Protection against the risk of explosion by ATEX.

### SELFPROTECCION AND EMERGENCIAS

- Development Plan of Selfprotection (Basic Self-Protection or Seveso legislation.)
- Special Emergency Preparation Plans (local authorities, water, forest, ...).
- Implementation of Plans (theoretical

and practical training and emergency drills.)

- Risk Analysis partners (calculation of consequences, HAZOP, SIL, vulnerability, environmental risk, ...).

- Maintenance and annual update of the Plan.

### DIRECTOR OF TRANSPORTATION OF DANGEROUS GOODS (MMPP)

- Initial assessment and generation of operating procedures with MMPP and integration into your management system.
- Advice for compliance for safe operations.
- Training in management of dangerous goods and intervention in case of emergency.
- Preparation and implementation of the Mock Accident with MMPP .

**We work with technical strictness and practical nature to improve safety in your facility.**

**We want to be your safety department!**



## Document Management

Contact: **Ángel Ruiz**

<http://www.tesicnor.com/documentacion/>

The service consists of the Coordination of Business Activities (CAE), through effective documentation management of companies operating in a workplace. (Law 31/1995 of 8 November and Royal Decree 171/2004 of January 30)

- Tesicnor checks the documentation.
- Collects and stores documentation.
- We send the information to the management teams.

For an orderly management of the work we have developed the software tool TDOC.

### TDOC is a Web application:

- It only takes Internet access and a browser.
- Documentation is always accessible.
- Status of documentation in real time.

### TDOC manages the documentation for:

- Companies
- Workers
- Vehicles
- Machinery

You can hire as:

**An independent product** (If you are interested and want to do it on your account what you need is an application with the features of TDOC).

**Full Service** (If you need someone to put some order and control the documentation for you, we're prepared, you will see what it means to delegate this responsibility in someone you trust).



## Industrial PPE Supply

Contact: **Izaskun Martínez/Rodrigo Gómez**

<http://www.tesicnor.com/suministro>

### PERSONAL PROTECTION:

Broad product catalog and technical advice on the choice of equipment: harnesses, lanyards, helmets, pulleys, ropes ... all the products that companies need of the leading brands on the market: HONEYWELL, PELTZ, SKYLOTEC, SOMAIN ...

### LIFELINES:

Supply, erection and installation of lifelines and rail tow

Personalized advice for collective protection to be installed in each company.

Certification and revision of lifelines.

### EMERGENCY DESCENDERS:

"The emergency descenders constitute a self-braking system in case of emergency descent or fall, limiting the falling speed to 0.7 meters per second. Also can be used as a rescue system for maximum risk situations or to

evacuate injured or disabled after a fall, fainting, etc ... ". Tesicnor sells PSA SECURE descenders.

### LOCKOUT/ TAGOUT

We distribute Master-lock: SAFETY series, prevention systems to avoid re-implementation of energy sources, in times of maintenance. Security locks, lock pliers and blockers, valves, electrical cables, locks, tags, labels and labeling stations, organizers, locking kits etc. ..

