



Naval



making
movement easier

Enor is the leading Spanish company in the installation
of elevators for the naval sector.

Decades of experience and reliable and trustworthy equipment allow us
to respond to the most demanding working conditions on the sea.



HEAD OFFICE: Parque Tecnológico y Logístico de Vigo · Rúa "B" · Parcela 10.10 · 36314 Vigo · Pontevedra · Telf.: 986 251 166 · Fax: 986 274 077 · enor@enor.es · www.enor.es

SPAIN: VIGO Parque Tecnológico y Logístico de Vigo · Rúa "B" · Parcela 10.10 · 36314 Vigo · Pontevedra · Telf.: 986 251 500 · Fax: 986 264 194 · vigo@enor.es **A CORUÑA** Pol. Pocomaco, parcela B-3, Módulo D · 15190 A Coruña · Telf.: 981 268 056 · Fax: 981 260 504 · coruna@enor.es **SANTIAGO** Pol. Ind. del Milladoiro, Rúa das Hedras 55-A · 15895 Milladoiro-Ames · Telf.: 981 534 028 / 981 592 731 · Fax: 981 522 864 · santiago@enor.es **FERROL** Río Jubia, 116 · 15404 Ferrol · A Coruña · Telf.: 981 311 579 · Fax: 981 370 785 · ferrol@enor.es **PONTEVEDRA** Avda. Corbaceiras, 48 · 36002 Pontevedra · Telf.: 986 845 139 · Fax: 986 851 707 · pontevedra@enor.es **ORENSE** Juan de Angos, 11 · 32002 Orense · Telf.: 988 231 119 · Fax: 988 242 226 · orense@enor.es **LUGO** Dr. Yáñez Reboló, 53-55 Bajo · 27004 Lugo · Telf.: 982 244 246 · Fax: 982 250 321 · lugo@enor.es **MADRID** C/ Montejo, 6-A Nave R · 28021 Madrid · Telf.: 91 71 00 248 · Fax: 91 71 09 101 · madrid@enores **VALLADOLID** Pol. de San Cristóbal, Calle de la Galena, 48 · 47012 Valladolid · Telf.: 983 351 280 · Fax: 983 360 020 · valladolid@enores **PONFERRADA** Avda. de América, 40 bajo · 24400 Ponferrada · Telf.: 987 415 166 · Fax: 987 428 434 · ponferrada@enor.es **SALAMANCA** Plasencia, 8 · 37003 Salamanca · Telf.: 923 186 065 · Fax: 923 185 357 · salamanca@enor.es

PORTUGAL: PORTO Travessa de Manuel de Sousa Moreira Cruz, 37 · Apartado 3079 · 4471-907 Moreira Mai · Telf.: 229 437 960 · Fax: 229 415 934 · porto@enor.pt **VIANA** Rua do Coveló, nº72 Cave, Além Rio Arosa · 4900-697 Viana do Castelo · Telf.: 258 820 730 · Fax: 258 836 873 · viana@enor.pt **LEIRIA** Estrada Nacional nº 113, Zona Ind. dos Pousos, Arm. B · Cova do Homem · Apdo. 20 · EC Marrazes 2416-901 Leiria · Telf.: 244 802 646 · Fax: 244 802 645 · leiria@enor.pt **LISBOA** Rua Francisco da Silva Pinto Júnior, 4 · 2690-390 Santa Iria da Azóia · Lisboa · Telf.: 214 344 173 · Fax: 214 344 178 · lisboa@enor.pt

Printing: May 2008 / Pontevedra · Enor-CNI



Naval



Engineering

Facilitating the movement of people and material inside the ship is our main aim.

Enor relies on a highly specialized team, whose advanced designing procedures and know-how are always at the customer's full disposition.

Collaboration with the customer begins at the very moment in which the project for

a new construction is being defined. The business agreement with the customer is materialized at the execution of the traffic studies, with which it is possible to decide which is the best unit for the given needs. **Enor's** technicians also give wide assessment in regulations and standards related to the manufacturing and installation processes, questions about the product and study the best technical solutions for each case.

It is also fundamental the wide knowledge of the different **regulations of the classification companies** that are handled by our technicians. This is a key point in the development of new products and a guarantee of safety and quality in our designs.

Elevators

Passenger elevators: Elevators designed to meet vertical movement requirements on board ships for passenger transportation (ropax, ferries, cruisers, etc.), not only during the boarding and unboarding but also during the sailing. They incorporate a wide variety of technological innovations such as: speed higher than a 1 m/sec with variable frequency electronic speed control (VVVF) and collective call control in order to attend to passenger's demand on both directions, among others.

Panoramic elevators: Wherever a distinctive sign of elegance, personality, aesthetics and beauty is needed, as well as functionality, **Enor** puts into designer's disposition its

panoramic elevators, which combine comfort, efficiency and reliability with beauty and singularity.

Service elevators: Service elevators with different characteristics and multiple finishings that cover the personnel's movement requirements on every type of ship, with rated speeds up to 1 m/sec. It can be suited, as an option, with a range of special features that can improve the functionality of the unit, such as restricted accesses or special controllers.

Elevators for military ships: **Enor** has an extensive experience in the designing and manufacturing of elevators for military ships. These types of units are supplied, in

each case, fulfilling special requirements in relation to electromagnetic compatibility, water and air tightness, crash and vibration resistance, antideflagrant components, etc. These requirements need to have dedicated departments with highly specialized resources able to develop systems with these features as **Enor** does.

Freight elevators: Elevators for the transportation of cargo at low speed and platforms specifically designed for each type of material transported.

Mini elevators for the transportation of small loads that are semi-normalized in order to fit into the smallest places.

Other products

Bridge cranes: They help in the displacement of merchandise inside hangars and warehouses. **Enor** has a wide portfolio of systems ranging from small loads to big ones with greater clearances and spans.

Special cranes: Also helpful for the movement of merchandise, **Enor** has developed a series of single-rail cranes and jib cranes. The elevation capacity of these units is variable and covers a wide range of solutions.

Escalators and moving walkways: Escalators and moving walkways solve efficiently small height displacement needs in areas of intense traffic flow.

Enor puts at its customer disposition personalized systems with finishings and measures adapted to every need.

Special elevation platforms: **Enor** completes its range of products with all types of special elevation platforms. **Enor** studies the displacement needs and adapts or designs systems to cover these needs.

Doors and hatches: **Enor** puts at shipyard's and ship owner's disposition a wide range of doors and hatches. At first, designed to cover the needs of access to the elevators, they now make up a separate line of products that can be supplied independently.

After-sales service; inspections and reforms

Enor's service does not end with the installation of the product. The after-sales service is considered a main activity to achieve full customer satisfaction.



Maintenance at the installations is vital to guarantee the reliability of its performance. **Enor** makes periodical inspections that lower the risk of breakdowns and keep the unit in the same working conditions as the first day.

Enor also collaborates and assesses in relation to the needs of updating the units that, due to their use and age present a deficient performance. After full inspection the customer is advised of the recommended repairs. If necessary, a specific project for the modernization of the unit is made, in which **Enor** fully assumes the responsibility of the complete installation. Once this process is finished, the customer will have a unit with full working guarantee and in conformity with classification companies' regulations.

