

## 1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 3 en  
 IMAQ0210 DESARROLLO DE PROYECTOS DE INSTALACIONES DE MANUTENCIÓN, ELEVACIÓN Y TRANSPORTE**

## 2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 3 in  
 IMAQ0210 PROJECTS DEVELOPMENT FOR HANDLING, LIFTING AND TRANSPORTATION SYSTEMS  
 (This translation has no legal status)**

## 3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to carry out projects for handling, lifting and transportation systems, developing their characteristics, designs, assembly plan and testing protocols, based on an initial basic engineering design, in accordance with applicable regulations, and established specifications and procedures, ensuring the planned quality, as well as personal and environmental safety. This general competence is divided into the following **skills units** (UC):

- Develop the mechanical and structural characteristics of the handling, lifting and transportation systems (UC1882\_3).
- Develop the characteristics of pneumatic and hydraulic networks and systems for the handling, lifting and transportation systems (UC1883\_3).
- Develop the characteristics of electrical installations in the handling, lifting and transportation systems (UC1884\_3).
- Prepare plans for the handling, lifting and transportation systems (UC1885\_3).
- Prepare the assembly, testing and protocol plan for the handling, lifting and transportation systems (UC1886\_3).

The professional skills are acquired through the **learning outcomes** defined within the related Training Modules (MF):

- Development of the mechanical and structural characteristics of the handling, lifting and transportation systems (MF1882\_3).
- Development of the characteristics of pneumatic and hydraulic networks and systems for the handling, lifting and transportation systems (MF1883\_3).
- Development of the characteristics of electrical installations in the handling, lifting and transportation systems (MF1884\_3).
- Preparation of plans for the handling, lifting and transportation systems (MF1885\_3).
- Preparation of the assembly, testing and protocol plan for the handling, lifting and transportation systems (MF1886\_3).
- Practical training at the workplace in projects development for handling, lifting and transportation systems (MP0316)

(See legal basis for all learning outcomes information acquired by the holder of this Certificate in each MF).

As a reference the learning outcomes include in the Practical training at the workplace that complete and reinforce the learning outcomes acquired in the other training modules, are:

- Collaborate on the analysis of the characteristics of a handling, lifting and transportation system, using the technical documentation and general instructions.
- Participate in the calculation of the elements of a handling, lifting and transportation system using tables, calculation charts and computer programs, in accordance with the regulations and using technical documentation.
- Cooperate in the drawing of the plans for the installation of machines, equipment and networks, as well as the overall and detailed plans of the handling, lifting and transportation systems, using computer-aided design, based on the initial installation design and general instructions.
- Collaborate on the preparation of technical documentation and the procedures for assembling a handling, lifting and transportation system based on its plans, the descriptive report and general instructions.
- Collaborate on the preparation of a budget for an assembly project for the handling, lifting and transportation system, based on technical plans and specifications.
- Take part in the company's working processes, following the rules and instructions established at the workplace.

#### 4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THIS CERTIFICATE

The holder of this certificate may work in the engineering department or technical office servicing the project department in companies related to handling, lifting and transportation systems, such as cranes, hoists, lifts, conveyor belts, mobile loading and transportation platforms, and automated warehousing, loading and palletisation systems, etc. The work may be in different productive sectors, in engineering companies and companies that assemble handling, lifting and transportation systems for industrial processes and production support processes. The most pertinent occupations and positions are:

- Draughtsman/designer of handling, lifting and transportation systems.
- Assembly plan technician for handling, lifting and transportation systems.

The holder of this professional certificate has recognition of the basic level training in labour risk prevention, according to Annex IV of the Royal Decree 39/1997 of 17 of January approving the Labour Risks Prevention Act.

#### 5. OFFICIAL BASIS OF THE CERTIFICATE

##### **Name and status of the national/regional authority providing accreditation/recognition of the certificate**

The Ministry of Employment and Social Security or the corresponding autonomous regional administration within the scope of its competence, in the name of the King. The certificate is valid throughout Spain.

##### **Level of the certificate**

The Professional Certificate Level 3 of the National Repertoire of Professional Certificates corresponds to level 4 of the International Standard Classification of Education (ISCED-P 2011).

The European Qualification Framework (EQF) level:

##### **Grading scale/Pass requirements**

The grading scale and pass level of the training modules are expressed on a scale of 0 to 10. The minimum score for a pass is 5 in every training module including a pass in the practical training at the workplace module.

The grading system is as follows:

- FAIL: 0 to 4.9
- PASS-SATISFACTORY: 5 to 6.9
- PASS-GOOD: 7 to 8.9
- PASS-EXCELLENT: 9 to 10

##### **Access to next level of education/training**

This Professional Certificate Level 3 gives access to Professional Certificate Level 3 within the same professional area and family.

For validation purposes, the educational authorities will recognise the professional module or modules of the VET diplomas corresponding to the skills units included in the training modules of this certificate.

##### **Legal basis**

Royal Decree 1079/2012 of 13 July, establishing four professional certificates in the professional family Installation and Maintenance, which are included in the National Repertoire of Professional Certificates. (Appendix III, Code: IMAQ0210)

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

This certificate may be acquired by:

1. Training: Completion with a pass grade of the face-to-face or online training programme.
2. Recognition of the professional skills acquired through professional experience or non-formal training (prior learning): Completion of a process of skills evaluation and accreditation in all the skills units making up the professional certificate.
3. Dual training: Completion of a training and apprenticeship contract, which may range from 1 year (or 6 months, if stipulated as such in the collective agreement) to 3 years, during which effective working time is combined with time dedicated to training under the training programme for the professional certificate.

The training method (number 1 above) requires successful completion of the training modules and the practical training at the workplace:

Description of vocational training received	Percentage of total programme (%)	Duration (hours)
Training modules	87	540
Practical training at the workplace	13	80
<b>Total duration of training leading to the certificate</b>		<b>620</b>

### Entry/access requirements:

- *Bachiller* Diploma (upper secondary education); or
- Professional Certificate Level 2 in the same professional area.
- If neither of the above or higher certifications are held, a pass in the key skills tests.

**Additional information:** Professional certificates are instruments for official accreditation of the professional qualifications in the National Catalogue of Professional Qualifications for all economic activities, within the scope of the labour administration. The National Repertoire of Professional Certificates is divided into three qualification levels (Level 1, Level 2 and Level 3), and by sectors into 26 professional families and 102 professional areas. More information is available at: [www.sepe.es](http://www.sepe.es)

National Europass Centre: [www.oapee.es](http://www.oapee.es)

(\*) **Explanatory note:** This document is designed to provide additional information about the specified certificate, but has no legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates; and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information is available at: <http://europass.cedefop.eu.int>

## Information on Professional Certificates of the Map of Qualifications and Vocational Training in Spain

