



NATIONAL COUNCIL OF ITALIAN ENGINEERS

the Italian professional enrollment system

Roberto Orvieto – Councilor responsible for international relations

CNI (National Council of Italian Engineers)

The National Council of Italian Engineers (CNI) is the institutional national body representing the professional category of the Italian engineers.

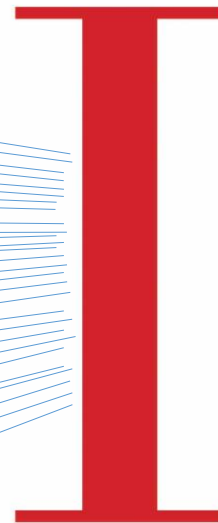
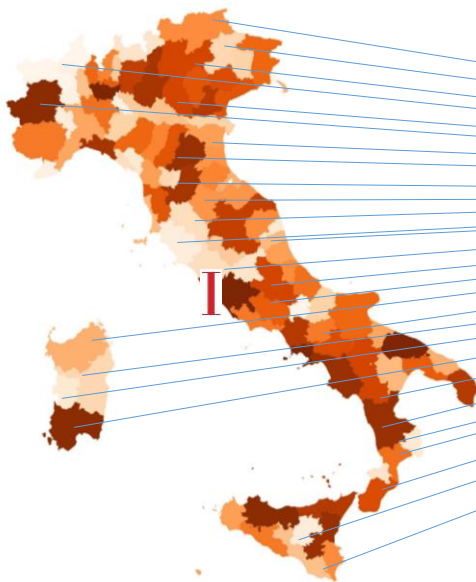
CNI is a non-economic public institution, established in 1944 and placed under the supervision of the Ministry of Justice that monitors the professions and controls the adoption of the provided regulations. .

THE ITALIAN PROFESSIONAL ORDER SYSTEM

- In Italy, the professional order system (for engineers) consists of 106 provincial organizations (106 bodies, one for each main Italian cities) and one central structure based in Rome (the National Council of Engineers - CNI).
- The National Council drafts the Code of Ethics and guidelines for better enforcement of mandatory laws. The National Council and Provincial Orders are vigilant about professional actions, in accordance with the law (Decree n. 137 / 2012).
- Currently, engineers enrolled in the Italian professional system are about **240 thousand**.

106 Provincial Orders

22.632



CONSIGLIO NAZIONALE
DEGLI INGEGNERI

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THE WAY TO PRACTICE THE PROFESSION OF ENGINEER IN ITALY

The mandatory degree program

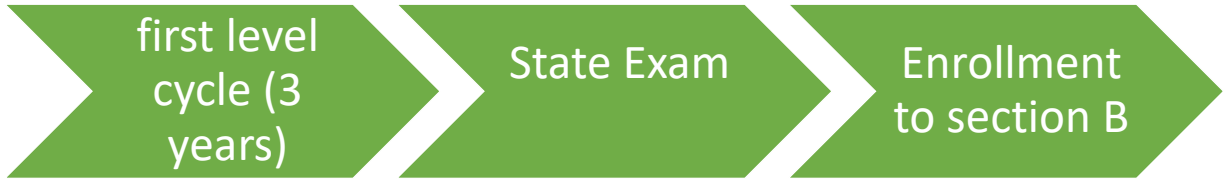
- In compliance with the Bologna Process and European standards for higher education, the Italian Ministry of University and Research has emanated a specific law (Decree 04aug2000) showing the graduation classes (Lx) provided for the engineers.
- “A system of titles of simple readability and comparability in order to facilitate immediate employability and international compatibility”, creating “a system based on two main cycles, respectively of first and second level” (the first has 3 years and the second 5 years of course).

How to become a professional engineer

The Italian laws prescribe that to become a professional engineer it is required to **overcome a professional examination**, whose contents are determined by the Ministry of University and Research basing on the graduation class (Lx) of each study cycle.

According to each study cycle of graduating course, you will become a "full" *Professional Engineer* or a *Junior Professional Engineer*. Thus, if you have passed a second level cycle of study (5 years) you will become a **Professional Engineer** while if you have attended a first level cycle (3 years) you will become a **Junior Professional Engineer**.

To enroll in the order



STATE EXAM

In any case, it will be necessary to overcome the professional examination (State exam) which provides:

for **Professional Engineer** (second level cycle of study - 5 years)

- 2 written tests;
- 1 oral examination;
- a practical test.

The candidate must be able to use advanced, innovative or experimental methodologies (for example in the civil-environmental sector) designing, work direction, evaluation and testing of structures, system and processes in a complex or innovative way.

for **Junior Professional Engineer** (first level cycle of study - 3 years)

- 2 written tests;
- 1 oral examination;
- a practical test.

The candidate must be able to perform a variety of non-complex activities like (for example in the civil-environmental sector) designing activities, work direction, evaluation and testing of construction works including public works; simple civil constructions, direct and instrumental surveys on present and historical buildings, geometric surveys of any nature.

PRACTICING PROFESSION

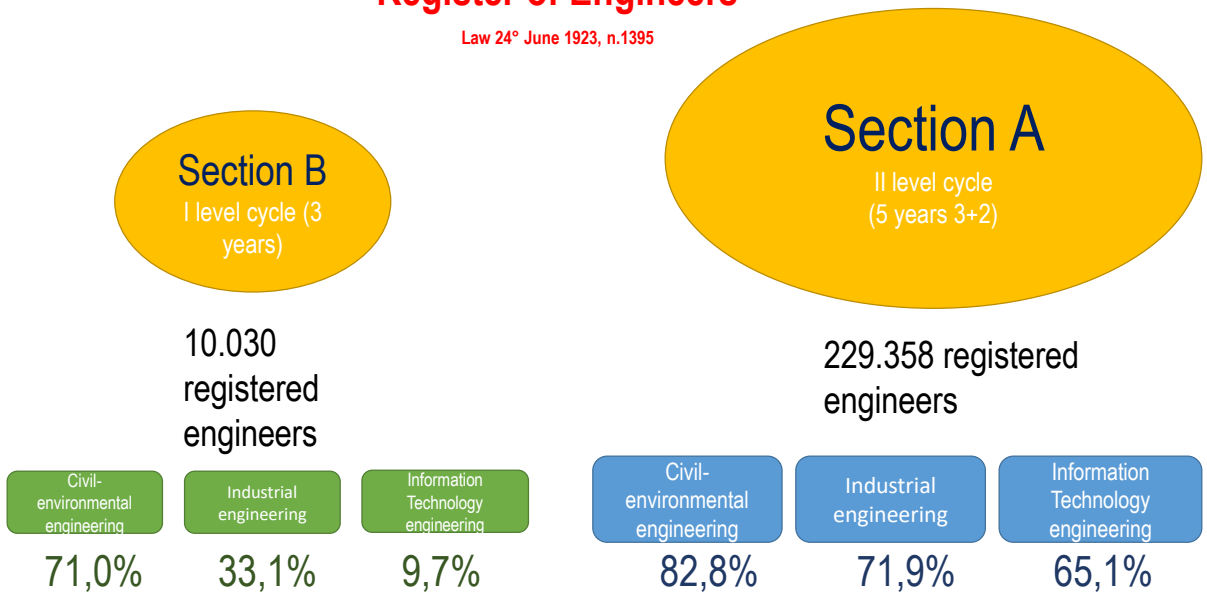
- **Italian law prescribes** that, **to practice the profession of engineer**, you must have passed the state exam, for the specific degree class, and also be enrolled in the professional order.
- The **titles** of ***Professional Engineer*** or ***Junior Professional Engineer*** are protected by law and can be only assigned to the enrolled engineers.
- The Register is unique for all Italian engineers, national and centralized (www.tuttoingegnere.it/albo-unico).
- The Register is divided in **2** main **sections**:
 - - **Section A** for ***Professional Engineer*** (*Ingegnere*)
 - - **Section B** for ***Junior Professional Engineer*** (*Ingegnere junior*)

PRACTING PROFESSION

- **Each section** is divided, in turn, in **3** identical **sectors**:
 - - **Civil-environmental engineering**
 - - Industrial engineering
 - - **Information Technology engineering**
- Depending on the exam results you can enroll only in a section that includes your degree class.
- The enrollment does not provide for compulsory traineeship.

Register of Engineers

Law 24° June 1923, n.1395



MAINTAIN THE STATUS OF PROFESSIONAL ENGINEER

- According to the Italian laws, a **Professional engineer** has to respect the laws, the Code of Ethics and also:
 - - observe the Continuing Professional Development program (**CPD**), to be continuously qualified and updated;
 - - reach at least **30 professional credits (CFP) per year**, achieved in formal, informal, non-formal learning contexts;
 - - have a **compulsory professional liability insurance** (with adequate terms);
 - - pay the **registration fee** for the Order of Engineers.

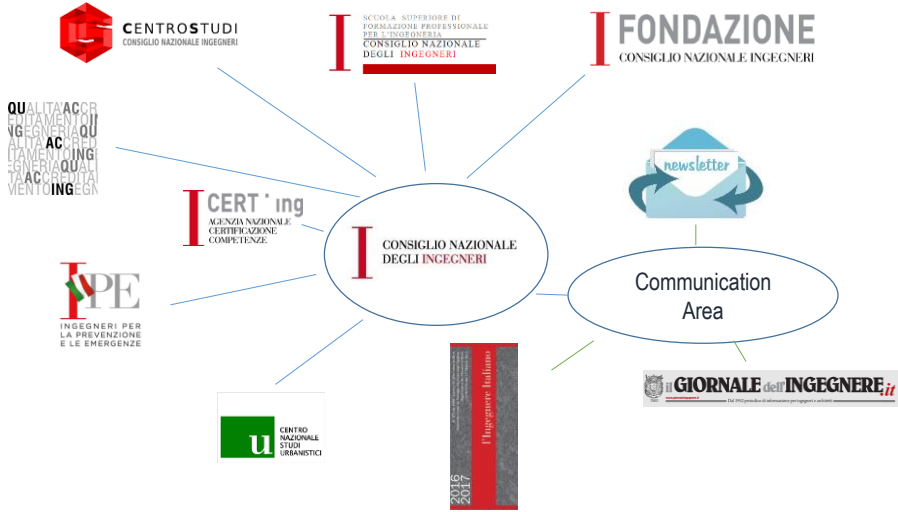
A NEW PROJECT FOR CNI: VOLUNTARY CERTIFICATION OF COMPETENCES (CERT'ING)

- CERT'ING, the National Agency for the voluntary certification of competences was born within the National Council of Italian Engineers (CNI), with the specific aim to enhance the experiences of the enrolled engineers, by validating the competences acquired during their profession.
- Certification of competencies CERT'ING can be requested by engineers enrolled for the specific field of expertise, sector and specialization.

A NEW PROJECT FOR CNI: VOLUNTARY CERTIFICATION OF COMPETENCES (CERT'ING)

- Two levels of voluntary Certification are established:
- • **first level (Cert'ing)**: the candidate must have had, after graduation, at least 4 years of working experience, 2 of which in the specific sector of the requested Certification;
- • **second level (Cert'ing plus)**: the candidate must have had, after graduation, at least 7 years of working experience, 5 of which in the specific sector of the requested Certification.
- Job market tends to become more specialized and to require engineers with specific expertise: certification of competences meets this demand by establishing a new language to represent that in which we are really specialized.

The System of CNI



THANK YOU