

**1. TITLE OF THE PROFESSION**

07135014 Létesítmény energetikus

**2. TRANSLATED TITLE OF THE PROFESSION**

Facility engineer

(THIS TRANSLATION HAS NO LEGAL STATUS)

**3. PROFILE OF SKILLS AND COMPETENCES**

- Based on an engineering design, prepares a utilisation schedule taking into account the properties of the primary side medium and prepares a management schedule for the energy production system;
- Oversees the professional installation and operation of the adequate energy equipment and meters;
- Evaluates the results of the trial run and performs fine-tuning of the system;
- Operates the building energy systems. Maintains their units;
- Prepares scheduled evaluations of the amount of heat produced and the energy consumption of the facility;
- Prepares scheduled evaluation of the amount of electricity consumed and the electricity use of the facility;
- In case of photovoltaic (PV) electricity generation, prepares scheduled evaluations of the production;
- Prepares scheduled evaluations of the amount of gas energy consumed and the energy use of the facility.

**4. CLASSIFICATION OF THE VOCATIONAL TRAINING ACCORDING TO THE ISCED FIELDS OF EDUCATION AND TRAINING (ISCED-F)**

0713 Energetics and electricity

**(\*) Explanatory notes:**

<sup>1</sup> In the original language. | <sup>2</sup> The translation of the designation is provided for information purposes only. | <sup>3</sup> Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

©European Union, 2002-2020 | europass.cedefop.europa.eu ©

## 5. OFFICIAL BASIS OF THE CERTIFICATE

<b>Name and status of the authority issuing the certificate</b>	<b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> Ministry for Innovation and Technology															
<b>Level of the certificate (national or international)</b> NQF level: 5 EQF level: 5 Digital Competence Framework level: 6	<b>Grading scale / Pass requirements</b> Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail															
Certificate number: CXK A  Serial number: 123456 Certificate issue date: 2024.04.03	<b>Designation of the theoretical and practical subjects of the vocational qualification examination and their grades according to a five-grade scale</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td colspan="3"><b>written</b></td> </tr> <tr> <td style="width: 80%;">Facility engineer general professional knowledge</td> <td style="width: 10%; text-align: center;">100%</td> <td style="width: 10%; text-align: center;">5</td> </tr> <tr> <td colspan="3"><b>project exercise</b></td> </tr> <tr> <td>Application of energy related skills in practice</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Result of the qualification examination</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> </table>	<b>written</b>			Facility engineer general professional knowledge	100%	5	<b>project exercise</b>			Application of energy related skills in practice	100%	5	Result of the qualification examination	100%	5
<b>written</b>																
Facility engineer general professional knowledge	100%	5														
<b>project exercise</b>																
Application of energy related skills in practice	100%	5														
Result of the qualification examination	100%	5														
<b>Access to next level of education/training</b> To higher education	<b>International agreements</b>															
<b>Other information concerning the vocational training process</b> Applicable legislation imposing the qualification requirement: Annex to Decree 21/2010 (V. 14.) NFGM on the qualifications required for the exercise of certain industrial and commercial activities																
<b>Legal basis</b> Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 319/2020 (VII. 1.) on the amendment of Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 95/2021 (II. 27.) on the Amendment of Certain Government Decrees Relating to Vocational Education and Training and Adult Training, Government Decree 11/2020 (II. 7.) on the Implementation of the Act on Adult Education.																

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of programme elements in percentage
Total duration of the education/training	450 hours
<b>Entry requirements:</b> <ul style="list-style-type: none"><li>- Educational prerequisite: Secondary school-leaving certificate</li><li>- Vocational training prerequisites: Building engineering technician (5 0732 07 01); Building engineering technician (54 582 01)</li></ul> <b>Further information:</b> <p>WRITTEN EXAMINATION EXERCISES Test task (topics: Building energy features, their properties and effects, Regulatory technical standards, Heat generation, Electricity generation, Electricity consumption, Heat recovery, Gas consumption, Measurements, measurement results, Energy management)</p> <p>PROJECT EXERCISES Upgrading of the thermal centre and/or solar collector and/or solar panel system of an existing office building, apartment complex or other industrial energy-using facility, involving the installation of new metering equipment to meet new customer needs</p> <p>You can find more information on the Programme and System Requirements in the following link: <a href="https://ikk.hu">https://ikk.hu</a> This certificate supplement was elaborated in accordance with the programme requirements registered by the minister responsible for VET.</p> <p><b>National Reference Point: National Office of Vocational Education and Training and Adult Learning: <a href="https://nrk.nive.hu">https://nrk.nive.hu</a></b></p>	

Head of Examination Organiser: Issue date: 2024.04.03	SEAL
--	------