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Enclosures:

Mgr. Petr Prokop

Acting director of the Security Policy Department

Dear Director,

In response to your letter dated April 8, 2026, containing questions concerning the protection of the future SMR power plant at the Temelín site (SMR ETE), we are providing our revised opinion. At the same time, we ask that you use only this valid document.

The protection of nuclear sites is based on a multilayered approach combining various counter-drone methods. Specific measures and their deployment are selected in light of the current assessment of the security situation, the nature of the threat, and the requirement to maintain a high level of protection.

SMR ETE will be included in prohibited area LKP2. The prohibited area is an important element in protecting critical infrastructure and restricts the operation of both unmanned and manned aircraft in the immediate vicinity of the nuclear facility. Prohibited area LKP2 is currently designated in the airspace above the Temelín site as a cylindrical area 1,500 m high and with a radius of 2 km, centered between the generating units of Temelín NPP. This measure creates an important preventive layer of protection that enables potential unwanted events to be identified and addressed more rapidly.

The airspace at the Temelín site is also monitored by the Army of the Czech Republic and Air Navigation Services of the Czech Republic. This provides another important layer of situational awareness and helps to detect abnormal activity promptly in the airspace around the protected facility.

A standard component of nuclear-facility protection is a multi-tier system for detecting unmanned aircraft, intended to provide the early detection, tracking, identification, and assessment of potential threats. This system combines multiple independent technologies that together improve detection reliability and minimize false alarms. Its core elements include detection using Remote ID, radio-frequency analysis capable of detecting communications between a drone and its operator, radar systems, and associated camera systems for the precise identification of a detected object.

Radar detection plays a particularly important role in this system, enabling continuous airspace monitoring and providing information on the position, direction of flight, speed, and altitude of tracked objects.



Radar systems can also detect unmanned aircraft that do not transmit Remote ID data or that use unconventional control methods. Combined with radio-frequency sensors and camera systems, radar provides a comprehensive picture of the airspace situation and enables security forces to assess potential risks promptly. The combination of radar, radio-frequency, and optical equipment also makes it possible to detect a wide range of unmanned aircraft, including standard commercial drones, FPV systems, and other types of unmanned aircraft used in the current security environment.

In addition to protection against unmanned aircraft, nuclear facilities are designed to meet requirements for resistance to defined external threats. Key technology buildings are protected by a multilayer physical-protection system, and their structural design must meet the requirements arising from the design basis threat established by the State Office for Nuclear Safety. These requirements also include resistance to projectiles defined in security regulations, while the specific parameters of these projectiles are classified. Resistance to other specified external threats established by national legislation, international recommendations, and security standards for the protection of nuclear facilities is also required.

In addition to physical guarding by a security service, a response unit of the Police of the Czech Republic will be present at the power plant site 24 hours a day, 7 days a week, to respond immediately to security incidents. This unit is also prepared to cooperate with other state security and armed forces according to the nature of the situation. Operational command of any response is conducted in accordance with the applicable security procedures and the powers of the Police of the Czech Republic.

Yours sincerely

Mgr. Petr Prokop

Dear Ms.

Ing. Silvana Jirotková

Director, SMR Development Department

New Energy Division

ČEZ, a.s.

Electronic signature: August 5, 2026
Signatory's certificate:
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