



**EuroHPC**  
Joint Undertaking

**Above-threshold public contract for supplies**

**"LUMI-Q Quantum Computer"**

**Contracting Authority:**

**The European High-Performance Computing Joint Undertaking**

Registered office: 12, Rue Guillaume J. Croll, L-1882 Luxembourg, Luxembourg

**The entity responsible for conducting the preliminary market consultation:**

**VSB-Technical University of Ostrava**

**IT4Innovations National Supercomputing Center**

Registered office: Studentská 6231/1B, 708 00 Ostrava, Czechia  
(hereinafter referred to as "IT4Innovations")

Contact person: Ing. Jan Juřena, tel.: + 420 597 329 579, e-mail: [quantum-computer@it4i.cz](mailto:quantum-computer@it4i.cz)

**RESPONSE No.2 TO THE INQUIRIES ON THE INVITATION TO THE  
PRELIMINARY MARKET CONSULTATION**

According to Art. 2.2.1 of the invitation to the preliminary market consultation (hereinafter referred to as "PMC"), participants are allowed to submit inquiries about the technical requirements specified in Annex 1 of the invitation to the preliminary market consultation or about other terms and conditions included in this invitation within the required period for submission of the LUMI-Q Quantum Computer design. The Contracting Authority shall answer these inquiries directly in writing or organize meeting in person or using teleconference if necessary.

All inquiries along with answers will be published on the IT4Innovations contracting authority's profile.

IT4Innovations received a set of questions to which it provides the answers below. Some of the responses are based on the individual communication between participants' and IT4Innovations' representatives.

**Inquiry No. 1:**

It was earlier communicated that the budget is €7M for Lumi-Q. We would like to double check that this is non VAT value and price information we will give, is without VAT.

**Response:**

The budget is €7M without VAT.

**Inquiry No. 2:**

What Identity and Access Management (IAM) technology or technologies Quantum Computer Control Software shall support.

**Response:**

IT4Innovations uses LDAP for IAM purposes, this is the preferred solution. The Quantum Computer Control Software shall therefore support authentication against LDAP service.

Alternatively, a Keycloak v21 service is operated, providing Keycloak OpenID Connect, OpenID Connect v.1.0 and SAML v2.0 protocols. At least one of these should be supported in case of LDAP authentication is not feasible.

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Ing. Jan Juřena  
IT4Innovations  
head of public procurement and legal service