

**REQUEST FOR QUALIFICATIONS # 2025-092
Factory of the Future Sensor Equipment & Services
RESPONSE ADDENDUM #1
June 16, 2025**

CLARIFICATION

QUESTIONS

1. How many units will be required?

ANSWER: 5-50 for any specific sensor/device

2. What is the required operating temperature range?

ANSWER: 10-60c

3. Do you prefer temperature measurements in Celsius or Fahrenheit?

ANSWER: Celsius

4. Will a cable length greater than 6 feet be required?

ANSWER: Depends on the application, 2' - 15' for most

5. Will a local display on the sensor units be necessary?

ANSWER: No

6. Will a local display on the sensor units be necessary?

ANSWER: No

7. What are you imaging?

ANSWER: Large-scale 3D printed parts, various materials and polymers

8. From what distance and what field of view do you need for these systems?

ANSWER: 0.5-10m depending on device and application. Profilometers may be <0.5m, cameras may be upwards of 10m, narrow to wide, application dependent (30-90 degree).

9. What is the minimum feature size you need to detect?

ANSWER: Profile deformations - 10 micrometer, visual - 0.5mm.

10. Do any of these systems require a level of device hardening? Specifically:

- a. Will the hardware be exposed to extreme temperatures, dust, moisture etc. or will it be in a controlled environment?
- b. Are there security standards these devices need to adhere to (either as a requirement or preference)?

ANSWER: We will generally harden both environmentally and cybersecurity in-house, where applicable.

11. Does the University require “technical assistance and training in proper setup, calibration, use, and maintenance of the sensor equipment, as well as provide calibration services if required for the sensor equipment” to be included and priced in the submission, or just recognition that these services are available should the university request them after the award?

ANSWER: Recognition of services available is sufficient.

12. How many years of support would you like included on the devices?

ANSWER: At least three years.

13. What are the quantities you would like to see on the response?

- a. Just 1 of everything for now?

ANSWER: Two categories of 1-5, and then 10+

14. What is the desired storage capacity for the storage node?

ANSWER: 1 petabyte raw capable for long-term storage, 20-100TB for short-term storage.

