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REQUEST FOR PROPOSALS #2023-08
ENTERPRISE SECURITY CAMERA TECHNOLOGY
RESPONSES TO CLARIFYING QUESTIONS
September 7, 2023

Note that these are questions submitted by interested firms to this solicitation. The below answers are for clarification purposes only and in no way alter or amend the RFP as published.

1. **QUESTION:** Please provide a list of fully integrated and scalable enterprise-wide security platforms needing to be integrated into the video system.

   ANSWER: The proposed enterprise-wide security camera technology must be a turnkey solution that is capable of seamlessly interfacing with the university's current access management systems (e.g., Avigilon Access Control Manager, Cyber Lock Cyber Audit Web Enterprise Management Software, and others as deemed appropriate), fire/intrusion alarm systems and related hardware/technology.

2. **QUESTION:** Please confirm the camera and video recording system shall be IP based, with a minimal specification such as:

   a. Cameras, FIXED: IP, 2, 4, 5, 8, 13, Mega Pixel camera, 2.4, 4.n-9.n; 22 mm lens; ONVIF, RTSP, H.264/H.265; WDR, 97' IR, PoE, dome or bullet.
      i. What Quantities?

   b. PTZ: IP or analog; Protocols supported: Soft overlay or specific keyboard, Pelco-D, P protocol?

   c. PTZ: IP, 2, 4, 5, 8, 13, Mega Pixel camera, 22 x lens; ONVIF, RTSP, H.264/H.265; WDR, 97' IR, PoE, dome or bullet; focal x22 zoom.
      i. What Quantities?

   d. Wallboard: Salvo or fixed

   e. Analytics: Tripwire, multiple trip wires, object left behind/taken away; people counting, object detection

   f. Biometrics: Age, Gender, expressions, face matching, facial recognition
      i. What Quantities?

   g. Cable plant: please select all that apply for the video platform:

<div style="margin-left: 2em;">

   i. Coaxial

   ii. CAT-5E,

   iii. CAT-6E,

   iv. Fiber Optic Cable,

   v. Wireless,

   vi. Other (i.e. 4G/5G, Microwave)

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ANSWER: This is part of the vendor's responsibility in designing and engineering the project to meet minimums outlined in the Scope of Work.

3. **QUESTION:** Please describe the illicit activities the campus police respond to on a monthly basis?

  ANSWER: Oregon Tech does not operate its own campus police department rather it maintains a non-sworn Campus Safety agency. Campus Safety primarily responds to cases of alcohol/drug possession, harassment, property damage, stalking, theft, threats against persons and property, trespass, vandalism and similar levels of illicit activities.

4. **QUESTION:** Is there an FBI Table-9 we can review and address?

  ANSWER: Oregon Tech does not operate its own campus police department thus it is not capable of submitting Uniform Crime Report data. Please refer to the university's Campus Security and Fire Safety Annual Report located on its website for compliance required crime information.

5. **QUESTION:** Please describe the support post-event investigations that must be provided.

  ANSWER: Campus Safety conducts post-event investigations for after action reviews, crime reporting, evidentiary collection, insurance reporting, involved parties identification, professional standards inquiries and similar investigatory activities.

6. **QUESTION:** Please describe security camera technology, video storage solution, and associated infrastructure as follows.

  ANSWER: Please clarify the intent of this question so that we may be able to provide a response.

7. **QUESTION:** What systems and integrations shall be functioning in phase (one)? Which individual buildings? Which open spaces? Identify parking lots and related campus environments to be functioning.

  ANSWER: This initiative will be based a on a building by building roll out with adjacent open spaces, parking lots and related environments being included. Access management, fire and security systems will be determined by building due to the diversity of systems utilized by the university.

8. **QUESTION:** Will subscription service suit the institution better?

ANSWER: A subscription service is acceptable.

9. **QUESTION:** Does the institution need Network Connect for Internet Access and camera maintenance and management?

   ANSWER: The cameras need to be able to be maintained and managed remotely either from a controller with internet access or individually.

10. **QUESTION:** Please describe the seamless interfacing with the university's current access management systems (e.g., Avigilon Access Control Manager, Cyber Lock Cyber Audit Web Enterprise Management Software and others as deemed appropriate).

    ANSWER: The camera system needs to be able to integrate or trigger based on events produced by existing systems.

11. **QUESTION:** What exactly does deem appropriately – mean?

    ANSWER: Housing, OMIC and the Portland Metro Campus currently operate their own independent access management systems.

12. **QUESTION:** Is the institution seeking fire/intrusion alarm systems and related hardware/technology integration?

    ANSWER: Yes

13. **QUESTION:** Is there any Mass Notification messaging to message boards or displays on campus?

    ANSWER: The university utilizes the Everbridge software platform, however it does not currently push messages to message boards or displays.

14. **QUESTION:** Are there any requirements for Monitors or Displays?

    ANSWER: No, the university will not be operating a security operations center rather current desktop computer monitors and the scoped application will suffice.

15. **QUESTION:** Any wireless cameras, hard to reach areas?

    ANSWER: While no comprehensive assessment has been completed relative to the placement of security camera technology it is expected that wireless security cameras will be required and that some placements may be in difficult to reach areas.

16. **QUESTION:** What are the security measures to protect the school from TDOS attacks?

    ANSWER: Our telephony system is cloud based so TDOS attacks are highly unlikely.

17. **QUESTION:** Does Oregon Tech deploy Cybersecurity measures?

ANSWER: Yes we do.

18. **QUESTION:** Does Oregon Tech comply with Zero Trust security measures?

    ANSWER: In most areas.

19. **QUESTION:** What is the total number of cameras per site?

    ANSWER: This is part of the vendor's responsibility in designing and engineering the project to meet minimums outlined in the Scope of Work.

20. **QUESTION:** Does Oregon Tech know the bandwidth requirement for the video recording to the cloud per location?

    ANSWER: TBD.

21. **QUESTION:** What are the redundant requirements for POE, AC power?

    ANSWER: It will depend on the area.

22. **QUESTION:** What are the compliance requirements for video recording and FRT?

    ANSWER: The university currently requires a minimum of 30 days retrievable video recording.

23. **QUESTION:** Are there network security compliance requirements?

    ANSWER: Yes there are compliance requirements.

24. **QUESTION:** Can references be provided after award of the contract, instead of providing the name, address (email, if available), and phone number of the references that are not covered under NDA? This will violate existing NDA's with clients.

    ANSWER: References are to be provided in submitted proposal. Please provide references that can be contacted and will not violate an existing NDA's.

25. **QUESTION:** Will Oregon Tech sign a NDA prior to providing reference?

    ANSWER: Oregon Tech will consider signing an NDA. Please provide a copy of the proposed NDA so that the document may be reviewed during the RFP evaluation process.

26. **QUESTION:** Do cameras required to be WiFi, LTE, or 5G capable?

    ANSWER: Wired, WiFi, LTE and 5G are all acceptable depending on the location.

27. **QUESTION:** Where would OIT envision the video streaming traffics need to be encrypted? Egress? Ingress? In the Azure Cloud where Video Data at rest?

ANSWER: All of the above.

28. **QUESTION:** What is the latency requirements between Live Video traffics captured and transported to Azure.

    ANSWER: Transport to Azure after capture need to be as low as possible. Live view should be as close to live as possible.

29. **QUESTION:** What is the latency requirements between replay, retrieval of video traffics between Azure and the OIT Server for dash board display?

    ANSWER: Replay needs to be available within seconds of the live event.

30. **QUESTION:** What is the networking desired to carry video traffics from campuses to DC/servers/Azure? (Optical, Ethernet, or Private Network i.e. Private 5G}?

    ANSWER: Fiber from the switches.

31. **QUESTION:** What is the minimum ports required for the Ethernet switches, IP Routers desired for each campus to aggregate all of the IP Video traffic from the cameras?

    ANSWER: Any.

32. **QUESTION:** What is the university ITS security standards?

    ANSWER: Yes.

33. **QUESTION:** For distances that CAT-5 Copper cable out of reach, are there fiber optic cables available for camera traffic to reach the DC or Azure application server?

    ANSWER: All cameras should connect to one of our IDFs. Cameras is far locations can be wireless.

34. **QUESTION:** Has a camera design been completed showing where all the cameras need to be installed?

    ANSWER: This is part of the vendor's responsibility in designing and engineering the project to meet minimums outlined in the Scope of Work.

35. **QUESTION:** Can Oregon Tech provide a BOM? How many servers will be installed?

    ANSWER: This is part of the vendor's responsibility in designing and engineering the project to meet minimums outlined in the Scope of Work.

36. **QUESTION:** How many switches will be installed? What over hardware needs installed?

ANSWER: TBD.

37. **QUESTION:** What type of cable needs to be installed (Cat6, 6a)?

    ANSWER: At least CAT6.

38. **QUESTION:** Do existing racks have enough space for new hardware (servers, switches, patch panels, wire managers, etc.)?

    ANSWER: Yes.

39. **QUESTION:** Does the partner need to hold a state security license to install the security camera system?

    ANSWER: It is the vendor's responsibility to abide by all applicable certification, licensing and regulatory compliance standards. Oregon Tech requires that the selected vendor comport and be familiar with all local, state and federal regulations relative to the work being performed.

40. **QUESTION:** Does the partner need to provide all the monitors to show all the cameras?

    ANSWER: No, at this time the university will not be operating a security operations center or performing centralized monitoring rather current desktop computer monitors and the scoped application will suffice. Recommended technology should support future development of a security operations center or performing centralized monitoring.

41. **QUESTION:** Will the monitoring station (security office) be centrally located (if so, where?) or will each campus require its own central security office location?

    a. If everything is centrally located: Does Oregon Tech have infrastructure to tie everything back to the main security location? Is there sufficient bandwidth to support the traffic?

    ANSWER: No, at this time the university will not be operating a security operations center or performing centralized monitoring rather current desktop computer monitors and the scoped application will suffice. Recommended technology should support future development of a security operations center or performing centralized monitoring.

42. **QUESTION:** How will cameras be installed in the parking lots and stadiums? Existing poles? Custom mounts? Hybrid solution using W-Fi/LTE routers and camera connected to the LTE router? How will cables get to said locations, will the campus take care of the outside pant work?

    ANSWER: This is part of the vendor's responsibility in designing and engineering the project to meet minimums outlined in the Scope of Work.

43. **QUESTION:** What are all the buildings exteriors and interiors constructed of (concrete, cinderblock, sheetrock, etc.)?

ANSWER: Each building is unique; proposers should visit the campus to become familiar with existing conditions.

44. **QUESTION:** Will the cameras be stationary or does Oregon Tech require cameras to be motorized to be able to move, zoom in/out, etc.)?

    ANSWER: This is part of the vendor's responsibility in designing and engineering the project to meet minimums outlined in the Scope of Work.

45. **QUESTION:** What is the storage capacity required for the NVR?

    ANSWER: This is part of the vendor's responsibility in designing and engineering the project to meet minimums outlined in the Scope of Work.

46. **QUESTION:** Is this solution a standalone solution requiring separate ISP or tied into the existing ISP bandwidth?

    ANSWER: No, existing ISP will be used.

47. **QUESTION:** Does each in scope building have existing cable pathways (cable raceways, J-hooks, conduit, etc.) that can be used for new cabling, or will new pathways be required?

    ANSWER: Yes.

48. **QUESTION:** What are the ceiling heights in each building?

    ANSWER: Each building is unique; proposers should visit the campus to become familiar with existing conditions.

49. **QUESTION:** What are the working hours?

    ANSWER: 24 hours per day, 7 days per week and 365 days per year.

50. **QUESTION:** After our proposal is emailed in and submitted it states, "Proposer *must* telephone and confirm electronic receipt of the complete emailed document(s) with the Procurement and Contract Services Office before the above time and date deadline". Is the contact information under the Issuing Offices the correct people we would need to contact, ex: Doug or Tony? Or which phone number is the correct number to call?

    ANSWER: Proposers are to call 541-885-1133, Leticia Hill, Procurement and Risk Officer to confirm receipt of proposal.

51. **QUESTION:** Can Oregon Tech clarify what it would like for the residence halls, as at the meeting proposers were told they wouldn't be putting cameras in those buildings, but they are listed on the RFP.

ANSWER: Res Halls will need special attention based on it being an occupied living space.

52. **QUESTION:** Is there network in the heat exchanger building?

   ANSWER: Yes, there is network at the Heat Exchange building.

53. **QUESTION:** Can Oregon Tech please make notation of the notation of IDF/MDF locations for the plans that do not identify them in the main Oregon Tech – Structural Footprints Booklet?

   ANSWER: We can add notations.

<div align="center">End of Clarifying Questions</div>