

## REQUEST FOR PROPOSALS (RFP)

ADVANCED TRANSMISSION X-RAY BODY SCANNING SYSTEM

LAFAYETTE PARISH SHERIFF'S OFFICE

DIRECT SUPERVISION UNIT

### **1. INTRODUCTION**

The Lafayette Parish Sheriff's Office, hereinafter referred to as the owner, hereby solicits sealed proposals from qualified vendors for the furnishing, delivery, installation, commissioning, and warranty of one (1) LINEV ClearPass Advanced Transmission X-Ray Body Scanning System (or Equivalent) for use at the Lafayette Parish Sheriff's Office Public Safety Complex Direct Supervision Unit Offender Processing area.

This Request for Proposals (RFP) is issued for the purpose of enhancing facility safety and security through the acquisition of correctional-grade body scanning technology capable of detecting contraband, narcotics, weapons, and other prohibited items concealed on or within individuals entering secure areas.

### **2. PROJECT DESCRIPTION**

The Lafayette Parish Sheriff's Office Direct Supervision Unit is a minimum-security adult offender housing facility located at the Lafayette Parish Sheriff's Office Public Safety Complex. The owner seeks one (1) turn-key, full-body X-ray scanning system designed specifically for correctional use and capable of high-throughput, continuous operation.

All equipment provided under this RFP shall be new, unused, of current production, and purpose-built for detention environments. Systems designed primarily for airport or commercial screening that are not adapted for correctional use may be deemed non-responsive.

### **3. OWNER'S PROJECT MANAGER**

Captain Armen G. Alexandrian

Corrections Division

Lafayette Parish Sheriff's Office

310 Raggio Road, Unit 1

P.O. Box 3508

Lafayette, LA 70502

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Email: Armen.Alexandrian@lafayettesheriff.com

All questions, requests for information, and official communications regarding this RFP shall be directed to the Owner's Project Manager.

#### **4. SCOPE OF SERVICES**

A single vendor shall be responsible for providing all labor, equipment, materials, software, accessories, training, documentation, and warranties required to deliver a fully operational X-Ray Body Scanning System.

The vendor shall assume full responsibility for system compatibility, performance, and regulatory compliance. Subcontracting of system integration, programming, or training services is prohibited without prior written approval from the owner.

Scope of work shall include, but not be limited to:

- Disassembling the current model and place all components in the designated area
- Furnishing and installing the X-ray body scanning system
- System testing, calibrating, and commissioning
- Delivering all documentation and operator manuals
- Provision of all required training, warranty, and support services

#### **5. TECHNICAL REQUIREMENTS**

The proposed system shall meet all requirements defined in this RFP and Exhibit A – Vendor Compliance Matrix.

Vendors must complete in full and submit it with their proposal. Failure to clearly demonstrate compliance with mandatory technical requirements may result in the proposal being deemed non-responsive.

#### **6. TRAINING REQUIREMENTS**

The vendor shall provide comprehensive on-site training, including at a minimum:

- Radiation Safety Training (Train-the-Trainer format)

- Louisiana-specific Radiation Safety Officer (RSO) Training
- Operator and image interpretation training
- Troubleshooting and emergency procedures instruction

Training shall be scheduled with the owner a minimum of seven (7) days in advance and conducted during normal business hours unless otherwise approved.

## **7. WARRANTY AND SUPPORT**

The vendor shall provide:

- A minimum twelve (12) month comprehensive warranty covering parts, labor, and travel
- A three (3) year extended warranty included at no additional cost
- A manned, twenty-four (24) hour service phone number
- On-site service response for critical system components

All warranty and support terms shall be clearly defined within the proposal submission.

## **8. PROPOSAL ORGANIZATION AND CONTENT**

Proposals shall be organized in the following order:

1. Cover Letter
2. Statement of Qualifications
3. Completed Vendor Compliance Matrix
4. Cost Proposal
5. Installation Plan
6. Training and Support Plan
7. Warranty Information
8. References

Failure to follow this format may result in rejection of the proposal.

## **9. PROPOSAL SUBMITTAL INSTRUCTIONS**

To be considered, proposals must arrive at Lafayette Parish Sheriff's Office, Attn: Finance, 316 W. Main Street, Lafayette, LA 70502 no later than 10:00 AM CST on **June 30, 2026**. All proposals must include:

- Two (2) sealed hard copies (including one (1) original and one (1) copy) and
- One (1) electronic copy on USB drive
- Outside of sealed envelope must include: RFP Advanced Transmission X-Ray Body Scanning System

Faxed or emailed submissions will not be accepted. Vendors are responsible for ensuring timely delivery.

## **10. EVALUATION AND AWARD**

The owner will evaluate proposals based on technical compliance, operational suitability, training and support, warranty, vendor experience, and overall value.

The owner reserves the right to reject any or all proposals, waive informalities, and make an award in the best interest of the Sheriff's Office. This RFP does not constitute an offer to contract.

## **11. ACCEPTANCE, REJECTION, OR CANCELLATION**

The owner reserves the right to delay, suspend, modify, or cancel this RFP, in whole or in part, at any time prior to award.

All proposals submitted become the property of the owner.

## **12. TECHNICAL SPECIFICATIONS**

Advanced Transmission X-Ray Body Scanning System

### **12.1 System Overview**

The vendor shall provide a complete transmission X-ray body scanning system, or equivalent, designed specifically for correctional and detention environments. The system shall include all

required hardware, software, accessories, training, and services necessary for full operational readiness.

The system shall support high-throughput operations and incorporate automated threat and narcotics detection capabilities.

## 12.2 Core Scanner Requirements

- System shall use transmission X-ray technology to generate full-body imagery.
- X-ray source motion shall be limited to horizontal panning only.
- Vertical movement of the X-ray source is prohibited.
- The individual being scanned shall remain stationary during inspection.
- System shall display real-time images during scan acquisition.
- Maximum scan time shall not exceed three (3) seconds.
- Subsequent scans shall require no mandatory reset time.
- System shall support a minimum throughput of 240 scans per hour.
- Conveyor belts or moving platforms are not permitted.

## 12.3 Imaging and Detection Capabilities

- Detector array shall be a vertical C-shaped configuration providing uninterrupted head-to-foot imaging, including both feet.
- Detector resolution shall be no less than 2,176 pixels.
- System shall be capable of imaging 46 AWG wire.
- System spatial resolution shall be a minimum of 2 line pairs per millimeter (2 lp/mm).
- System shall meet or exceed ANSI/IEEE N42.47-2010 image quality standards.
- System shall include automated narcotics detection software utilizing probability-based anomaly identification.
- System shall include AI-based automatic threat detection software capable of highlighting foreign objects on or within the body.

## 12.4 Image Processing and Operator Tools

The system shall include advanced image manipulation features, including but not limited to:

- Black/white reverse
- Minimum 200× zoom
- Edge trace
- Super Edge Enhanced (SEE) pseudo color
- 3D filtering
- Brightness, contrast, and luminosity adjustment

Additional requirements include:

- Split-screen image comparison mode.
- Human anatomy reference overlay during image review.
- Minimum twenty (20) programmable operator hotkeys.

#### 12.5 Radiation Safety

- System shall include multiple scanning modes with adjustable dose output.
- Dose output range shall be approximately 0.10  $\mu\text{Sv}$  to 10.0  $\mu\text{Sv}$  per scan.
- System shall include integrated radiation shielding and an X-ray protective safety shutter.
- Audible and visual X-ray-On indicators shall be visible from 360 degrees around the system.
- System must communicate and integrate with existing system at Lafayette Parish Correctional Center to ensure radiation dosage tracking on offenders whom may be transferred to the Direct Supervision Unit.

#### 12.6 Physical Design and Durability

- Scanning area shall be ADA-compliant with a minimum width of 35 inches.
- System shall feature a pass-through design with separate entrance and exit openings.
- External panels shall be metal construction with tamper-resistant fasteners.
- System shall be purpose-built for correctional environments and resistant to tipping or movement.

- Scan area height shall be not less than 6 feet 9 inches (6'9")

#### 12.7 Operator Workstation

- System shall include an integrated, powered height-adjustable workstation.
- Workstation shall include a minimum 24-inch touchscreen monitor.
- Workstation shall include:
  - Locking keyboard/mouse drawer
  - Key switch
  - Emergency stop button

#### 12.8 Accessibility

- System shall accommodate wheelchair users through ADA-compliant ramps or equivalent solutions.

#### 12.9 Data Storage, Reporting, and Compliance

- System shall include audit and usage reporting searchable by date and operator.
- Operators shall be required to classify each scan as narcotics detected or no narcotics detected.
- System shall provide supervisor review tools and “positives” reporting metrics.
- System shall include a minimum of 1 TB primary storage with a redundant 1 TB backup.
- System shall be network capable for centralized data storage.
- System shall be CJIS-compliant and UL-listed.

#### 12.10 Installation, Training, and Support

- Pricing shall include shipping, installation, and commissioning.
- Vendor shall provide:
  - Train-the-Trainer Radiation Safety Training
  - Louisiana-specific Radiation Safety Officer (RSO) Training
  - Radiation Operator Training

- Vendor shall provide 24/7 technical support and remote diagnostics capability.

#### 12.11 Warranty

- Vendor shall provide a minimum twelve (12) month comprehensive warranty covering parts, labor, and travel.
- Vendor shall include a three (3) year extended warranty at no additional cost.

### 13. ANCILLARY EQUIPMENT AND SOFTWARE

- The vendor shall provide all ancillary software, equipment, and training necessary to support full system functionality and regulatory compliance.
- AI-Based Automatic Threat Detection Software: Automated, artificial-intelligence–driven software capable of analyzing scan imagery to assist operators in identifying potential security threats.
- Automated Narcotics Detection Software: Software capable of identifying and highlighting suspected contraband or anomalies.
- Integrated Camera System synchronized with the scanning process.
- Jail Management System (JMS) Integration, including existing network integration with JMS 365.
- Radiation Protection Program – State Specific, compliant with all applicable State of Louisiana and federal regulations.
- Radiation Safety Officer (RSO) Training – Per Person, meeting Louisiana regulatory requirements.
- Radiation Operator Training – Per Person covering safe operation and emergency procedures.

### Exhibit A – Vendor Compliance Matrix

<b>Body Scanner Physical Requirements</b>	<b>Comply (Y/N)</b>	<b>Supporting Comments</b>
1. Scanner must use transmission X-ray to produce a full body image.		
2. Movement of X-ray source shall be limited to a horizontal panning from left to right only, minimizing noise introduced into the image.		
3. X-ray source will not move in the vertical axis.		
4. Individual scanned must remain stationary during the inspection. Unit shall not have a moving platform or conveyor belt.		
5. Unit shall display a real-time image as the scan is being conducted.		
6. Scan time shall not exceed 3 seconds.		
7. Subsequent scan requires no reset time.		
8. Unit must have a minimum throughput of 240 scans per hour.		
9. Scanning area shall be ADA compliant in width (min. 35")		
10. Unit must feature recessed/tamper resistant fasteners to secure all external panels.		
11. Unit must feature a vertical, C-shaped X-ray detector array with no less than 2176 pixels for optimal imaging of the full body including head and feet.		
12. Unit will have an X-ray transparent platform giving an uninterrupted top-down view of the entire foot.		
13. X-ray on indicators must be visible from 360 degrees around the system.		
14. Unit must feature a pass-through design with a separate opening for entrance and exit.		
15. Unit should be purpose built for a correctional environment and not easily moved, tipped, or damaged.		
16. External panels shall be metal to increase durability and longevity		
17. Unit shall have a powered height adjustable workstation with a 24" touchscreen monitor.		

18. Workstation shall have a locking keyboard/mouse drawer.		
19. Workstation shall have a key switch and emergency stop button.		
20. Unit must have the option to accommodate a wheelchair with ADA compliant ramps.		
21. Unit must incorporate an X-ray protective safety shutter to block the emittance of X-rays.		
22. Unit must have a scan area height of not less than 6'9".		
23. Unit must network with current Jail Management Software (JMS 365)		
<b>Features</b>	<b>Comply (Y/N)</b>	<b>Supporting Comments</b>
1. Unit shall have a minimum of 3 scanning modes to adjust output of absorbed dose. Capable output range shall be from 0.10uSv to 10.0uSv per scan.		
2. Unit must have the option of automatic narcotics detection software which places a color-coded box around suspicious items and provides the operator with a probability of detection.		
3. Unit must include the option for Artificial Intelligence Software to detect and color-code foreign objects on and in the body.		
4. Unit must be able to image 46 AWG wire.		
5. Unit must have spatial resolution of 2 lp/mm.		
6. Unit must have image manipulation features as follows: Black/White Reverse, 200X Zoom, edge trace, super edge enhanced (SEE) pseudo color, 3D filter, brightness adjustment, contrast adjustment, luminosity adjust.		
7. Unit must feature a minimum of 20 programable "hotkeys"		
8. Unit must feature an audible alarm when X-rays are being emitted.		
9. Unit must feature an audit reporting tool to provide data on usage.		
10. Unit must require operator to identify every scan as narcotics detected or no narcotics detected.		
11. Unit must allow supervisors to quickly access and review suspected suspicious scans. Searchable by date, operator or mismatches.		

12. Unit must feature a <i>“positives”</i> reporting tool to provide supervisors with percentage of scans identified to have contraband.		
13. Unit must have a minimum of 1TB of storage with a redundant 1TB back up storage.		
14. Unit must have a comparison mode to display two images at the same time via split screen monitor.		
15. Unit must display human anatomy illustration for reference when reviewing images.		
16. Unit must have network capability allowing the system to share data to centralized server/storage.		
17. System must be CJIS Compliant and UL Compliant.		
18. System must communicate and integrate with existing system at LPCC (Parish Jail) to ensure radiation dosage tracking on offenders whom may be transferred to the Direct Supervision Unit		
<b><u>Training</u></b>	<b><u>Comply (Y/N)</u></b>	<b><u>Supporting Comments</u></b>
1. Vendor shall provide a minimum of 2 hours of Radiation Safety Training in a Train-the-Trainer format.		
2. Vendor shall provide dedicated state specific Radiation Safety Officer training.		
3. Vendor shall provide a minimum of 2 hours of Operational Training in a Train-the-Trainer format.		
4. Vendor shall provide a minimum of 2 hours of Image Interpretation training including a library of images to develop operator abilities via tablets.		
5. Vendor shall provide troubleshooting training for common issues.		
6. Vendor shall provide a TCOLE Certified Instructor to conduct training class.		