



Jefferson Parish Purchasing Department

BID NUMBER: ITB 50-00133349

X-RAY INSPECTION SYSTEM AND WALK-THROUGH MULTI-ZONE DETECTOR

February 23, 2021 – 2:00 PM

ADANI Systems, Inc.

PROPOSAL RESPONSE – BV5030CA and HI-PE Plus

Jefferson Parish Purchasing Department
200 Derbigny Street, Suite 4400
Gretna, LA 70053

ADANI Systems, Inc.
13631 Poplar Circle
Conroe, TX 77304

Donna Evans
(504) 364-2691
dmevans@jeffparish.net

Scott Ortolani
Chief Operating Officer
(936) 588-2064
sortolani@adanisystems.com

BUSINESS CONFIDENTIAL and PROPRIETARY

This response includes data that should not be disclosed outside the Government and shall not be duplicated, used, or disclosed in whole or in part for any purpose other than for evaluation. If, however, a contract is awarded to ADANI Systems as a result of or in connection with submission of this data, the government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the government right to use information contained in this response if it is obtained from another source without restriction. This response also contains confidential, trade secret, commercial, or financial information owned by ADANI Systems and is submitted for Government use only. It is exempt from disclosure under the Freedom of Information Act (5 U.S.C. 552) under exemption (b)(4), and its disclosure is prohibited under the Trade Secrets Act (18 U.S.C. 1905).



Jefferson Parish, Louisiana
, BID 50-00132518
February 23, 2021



Jefferson Parish Purchasing Department
Donna Evans
200 Derbigny Street, Suite 4400
Gretna, LA 70053
504-364-2691
dmevans@jeffparish.net

Dear Ms. Evans –

ADANI Systems, Inc. is pleased to submit our response to BID 50-00133349.

We are a world leader in the design and manufacture of X-Ray Security Screening Systems to prevent the introduction of weapons, drugs, and other threat items into your facilities. Combining innovative threat detection technologies with intelligent and flexible system designs, ADANI's screening and inspection systems provide exceptional automated processing, threat recognition, and throughput rates. Bottom line, our automatic detection software, only available from ADANI Systems, color codes potential threats making it easier for operators to detect contraband.

Per Jefferson Parish's Instructions to Bidders, Paragraph B, ADANI Systems "USE OF BRAND NAMES AND STOCK NUMBERS" Adani is submitted our comparable Model BV5030CA for your consideration.

ADANI counts hundreds of city and county courthouses and more than half of Departments of Corrections in the United States as customers with over 1,000 installations to date. Our scanners are manufactured to the highest standard and are built with rugged materials designed to handle high traffic and moderate abuse all while maintaining precision and making the best images in the industry.

We are a certified small business incorporated in the Commonwealth of Virginia in October 2006. We have offices in Alexandria, VA, Miami Lakes, FL and Conroe, TX. The Conroe facility is our base of operations for manufacturing, sales, service, and training supporting the US, Canada, Mexico, and Latin America.

ADANI Systems employs a full-time staff which comprises the Field Service Engineers, Warehouse, Production, Sales, Shipping, and Administrative functions. Over the course of the past 14 years, ADANI Systems has built a sustainable business based on great people delivering best-in-class x-ray scanners with a commitment to world-class training and service.

Our commitment to excellence is a standard by which we mark progress. Our 1,000+ customers also stand as a testament to ADANI's ability to perform with excellence for our existing customers while building a secure future with our future customers.

Sincerely,

Scott Ortolani
Chief Operating Officer
(936) 588-2064
sortolani@adanisystems.com

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Signature of Affiant

Scott Ortolani

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 23rd DAY OF February, 2021.

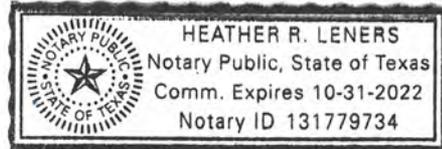
Notary Public

Heather R. Leners

Printed Name of Notary

131779734

Notary/Bar Roll Number



My commission expires 10-31-2022



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/19/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Wilson, Washburn and Forster 16505 NW 13th Ave Miami FL 33169	CONTACT NAME: PHONE (A/C, No, Ext): 305-666-6636	FAX (A/C, No): 305-662-7778
	E-MAIL ADDRESS: acsr@wwfins.com	
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: Hartford Fire Insurance Co.		19682
INSURER B: Twin City Fire Insurance Co.		29459
INSURER C: AmTrust North America		
INSURER D:		
INSURER E:		
INSURER F:		
INSURED ADANI Systems, Inc, 5731 NW 151 Street Miami Lakes, FL 33014		

COVERAGES

CERTIFICATE NUMBER: 1004782263

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			21CESOF5970	2/21/2021	2/21/2022	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
							MED EXP (Any one person)	\$ 10,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
A	<input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			21CESOF5970	2/21/2021	2/21/2022	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			21XSON0574	2/21/2021	2/21/2022	EACH OCCURRENCE	\$ 5,000,000
							AGGREGATE	\$
								\$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	TWC3874810	4/21/2020	4/21/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER	
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

Adani Systems, Inc.
 5731 NW 151St
 Miami Lakes FL 33014-2481

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Request for Taxpayer Identification Number and Certification

**Give Form to the
requester. Do not
send to the IRS.**

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type.
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.	
2 Business name/disregarded entity name, if different from above ADANI Systems, Inc.	
3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ▶ _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
5 Address (number, street, and apt. or suite no.) See instructions. 13631 Poplar Cir	Requester's name and address (optional)
6 City, state, and ZIP code Conroe, TX 77304	
7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)																																															
Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> , later.																																															
Note: If the account is in more than one name, see the instructions for line 1. Also see <i>What Name and Number To Give the Requester</i> for guidelines on whose number to enter.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="9" style="text-align: center;">Social security number</td> </tr> <tr> <td style="width: 25px; height: 25px;"></td> <td style="width: 25px; height: 25px; text-align: center;">-</td> <td style="width: 25px; height: 25px;"></td> </tr> <tr> <td colspan="9" style="text-align: center;">OR</td> </tr> <tr> <td colspan="9" style="text-align: center;">Employer identification number</td> </tr> <tr> <td style="width: 25px; height: 25px; text-align: center;">2</td> <td style="width: 25px; height: 25px; text-align: center;">0</td> <td style="width: 25px; height: 25px; text-align: center;">-</td> <td style="width: 25px; height: 25px; text-align: center;">5</td> <td style="width: 25px; height: 25px; text-align: center;">5</td> <td style="width: 25px; height: 25px; text-align: center;">0</td> <td style="width: 25px; height: 25px; text-align: center;">4</td> <td style="width: 25px; height: 25px; text-align: center;">3</td> <td style="width: 25px; height: 25px; text-align: center;">6</td> <td style="width: 25px; height: 25px; text-align: center;">8</td> </tr> </table>	Social security number													-					OR									Employer identification number									2	0	-	5	5	0	4	3	6	8
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OR																																															
Employer identification number																																															
2	0	-	5	5	0	4	3	6	8																																						

Part II Certification	
Under penalties of perjury, I certify that:	
1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and 2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and 3. I am a U.S. citizen or other U.S. person (defined below); and 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.	
Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.	
Sign Here Signature of U.S. person ▶	 Date ▶ 1-6-2021

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.



ADANI SYSTEMS, INC.

General Information

Name:	ADANI SYSTEMS, INC.
Type:	Corporation - Foreign
City:	ALEXANDRIA
Status:	ACTIVE
Previous Names:	N/A
Charter Number:	42654292F
Registration Date:	05/26/2017

Domicile Address

901 N. PITT STREET
SUITE 325
ALEXANDRIA, VA 22314

Mailing Address

13631 POPLAR CIRCLE
CONROE, TX 77304

Principal Office

13631 POPLAR CIRCLE
CONROE, TX 77304

La. Reg. Office

201 RUE BEAUREGARD, STE. 202
LAFAYETTE, LA 70508

Principal Bus./LA

201 RUE BEAUREGARD, STE. 202
LAFAYETTE, LA 70508

Status

Status:	ACTIVE
Annual Report Status:	Yes
Last Report Filed:	05/04/2020
Type:	Corporation - Foreign

Registered Agents

REGISTERED AGENTS INC. appointed on 05/26/2017
201 RUE BEAUREGARD, STE. 202
LAFAYETTE, LA 70508

Officers

VLADIMIR KLOKOV
VICE-PRESIDENT
5731 NW 151ST ST
MIAMI LAKES, FL 33014

SCOTT ORTOLANI
OFFICER
13631 POPLAR CIRCLE
CONROE, TX 77304

Amendments on File

Description	Date
Stmt of Chg or Chg Prin Bus Off	02/19/2021



Section 6.0 Unit Description:

HI-SCAN™ 5030si X-ray Inspection System:

- Tunnel dimensions 530 (W) x 320 (H) [mm] • 20.9" (W) x 12.6" (H) **EXCEED - 20.9" x 13.0"**
- Max. object size 530 (W) x 320 (H) [mm] • 20.9" (W) x 12.6" (H) **EXCEED - see above**
- Conveyor height approx. 190 mm (7.4") / 782,5 mm (30.6") with carriage **COMPLY**
- Conveyor speed at mains frequency approx. 0.18 / 0.22 [m/s] 50 Hz/ 60 Hz **COMPLY**
- Max. conveyor load (evenly distributed) 60 kg (132 lbs.) **EXCEED – 110kg (242 lbs)**
- Resolution (wire detectability) Standard: 38 AWG (0.1 mm) • typical : 39 AWG (0.09 mm) **COMPLY**
- Resolution (wire detectability) Typical : 44 AWG (0.05 mm) **COMPLY**
- Penetration (steel) Standard: 14 mm • typical: 16 mm **COMPLY**
- X-ray dose (typical) HI-M AT: 0,8 µSv (0.08 mrem) **COMPLY**
- Film safety Guaranteed even for high speed films up to ISO 1600 (33 DIN) **COMPLY**
- Duty cycle 100%, no warm-up procedure required **COMPLY**

X-ray Generator

- Anode voltage • cooling 100 kV cp •hermetically sealed oil bath **COMPLY**
- Beam direction diagonal **COMPLY**

Image Generating System

- X-ray converter L-shaped detector line, high resolution **COMPLY**
- Grey levels stored 4096 **EXCEED – 65,536 Grey levels**
- Image presentation B/W, color **COMPLY**
- Digital video memory 1280 x 1024 / 24 bit **COMPLY**
- Image evaluation functions B/W, HIGH, LOW, NEG, VARI -MAT, 02, OS electronic zoom: stepless enlargement up to 16-times **EXCEED – Zoom up to 96x**
- Monitor Flat Panel LCD Monitor **COMPLY**

Additional Features

- Luggage counter, user-id number, display of operating mode, REVIEW-feature to recall previously visible image areas, zoom overview, free programmable keys **COMPLY**
- HI-TIP, HI-SPOT, SEN, Xport, X-ACT, IMS (Image Management System) **COMPLY**

Installation Data

- X-ray leakage meets all applicable laws and regulations with respect to X-ray emitting devices **COMPLY**
- CE-labelling in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC **COMPLY**
- Sound pressure level < 56 dB(A) **COMPLY**
- Operating-/ storage temperature 0° - 40°C / -20°C - +60°C
- Humidity 10% - 90% (non-condensing) **COMPLY**
- Power supply standard: 110 VAC +10% / -15% • 50 Hz/ 60 Hz± 3 Hz **COMPLY**
- Power consumption approx. 0.4 kVA **Less than 0.6 kVA**
- Protection class system/ keyboard **COMPLY**
- Dimensions 47.3" (L)2 x 27.7" (W) x 28.6" (H) • approx. 352 lbs. **COMPLY**



Section 6.1 Unit Description: Continued

HI-PE Plus Enhanced Walk-Through Multi-Zone Metal Detector:

Features

- Compliant with the strictest detection and discrimination standards for EMDs (Enhanced Metal Detectors). **COMPLY**
- 4 display bars each programmable as zone indicators and/or pacing lights. **COMPLY**
- 60 localization zones (20 vertical x 3 lateral) with left, center, and right indication. **COMPLY**
- Chip Card Reader **COMPLY**
- Bluetooth, infrared and RS-232 communication **COMPLY**
- Programmable Random Alarm capability **COMPLY**
- 3-Level Password and hardware key access protection **COMPLY**
- Met-Identity technology (separate Ferrous and Non-Ferrous alarm signaling) **COMPLY**
- One Touch Automatic Self Installation (OTS) **COMPLY**
- Automatic Operational Functional Verification (OFV) **COMPLY**
- Automatic Vibration Compensation (AVS, EVA) **COMPLY**
- Automatic Channel Search (CS) **COMPLY**
- Automatic Floor Gain Adjustment (FGA) **COMPLY**
- Automatic Technical Functional Verification (TFV) **COMPLY**
- Automatic Environmental Noise Compensation (ENA) **COMPLY**
- Powered by safe low voltage DC **COMPLY**
- Anti-tamper on/off switch **COMPLY**
- High precision transit counter **COMPLY**
- Minimum 32.3" passage width **COMPLY**
- ADA Compliant **COMPLY**
- Wide range of threat detection from guns to ½ cutter blade **COMPLY**
- Automatic Environmental Noise Compensation (ENA) **COMPLY**
- Excellent discrimination of personal metal effects **COMPLY**
- Met-Identity technology identifies and signals the metal type in realtime **COMPLY**
- 60 localization zones (20 vertical x 3 lateral) with left, center and right indication **COMPLY**
- High precision bidirectional counter with automatic rescreening compensation **COMPLY**
- One touch automatic self-installation (OTS) **COMPLY**
- Chip Card capability for fast, simple, and secure programming **COMPLY**
- Automatic Operational Functional Verification (OFV) **COMPLY**
- Random alarm capability programmable from 0% to 100% **COMPLY**
- Automatic Vibration Compensation (AVS,EVA) **COMPLY**
- Exceptional Immunity to external interferences **COMPLY**
- Automatic Channel Search (CS) **COMPLY**
- Powered by safe low voltage DC **COMPLY**
- Automatic Floor Gain Adjustment (FGA) **COMPLY**
- Standard Interfaces: RS-232, Bluetooth, Infrared **COMPLY**
- Automatic Technical Functional Verification (TFV) **COMPLY**
- Other available interfaces: Wi-Fi, Ethernet, USB **COMPLY**



-
- Power Supply: 100...240V~ -10/+15%, 47...63Hz, 40 VA max **COMPLY**
 - Operating temperature: -4°F to 158°F (-35°F to 158°F upon request) **COMPLY**
 - Storage temperature: -35°F to 158°F **COMPLY**
 - Relative humidity: 0 to 95% (without condensation) **COMPLY**

Section 6.1 Unit Description: Continued

HI-PE Plus Enhanced Walk-Through Multi-Zone Metal Detector:

- Multi-zone display bar for "height on person" localization **COMPLY**
- 4 light bars with selectable entry/exit and pacing indication **COMPLY**
- Green and red metering signals proportional to the mass of the detected target **COMPLY**
- 10 selectable continuous and pulsed tone plus 34 special tones **COMPLY**
- 10 selectable sound intensities ranging from 0 to 90 dbA at 1m **COMPLY**
- 60 distinct zones (20 vertical x 3 lateral) entry and exit side **COMPLY**
- Up to 50 built-in security programs (up to 30 International Standards, up to 20 Customizable Levels) **COMPLY**
- Remote via RS-232, Infrared Remote Control Unit, Bluetooth or Ethernet 10/100 base T (option) interface **COMPLY**
- Test Samples Kits Part# EMO-SK-GAL Part# EMD-SK-GDML **COMPLY**

TECHNICAL PROPOSAL

ADANI BV 5030CA

COMPACT & DESKTOP X-RAY INSPECTION SYSTEM

Document Index: 120-03-0817-1



* With continual development of our products ADANI reserves the right to make changes to the design and specifications at any time and without notice

CONTENT

1. INTENDED USE
2. GENERAL SPECIFICATIONS
3. KEY FEATURES
4. SOFTWARE FEATURES
5. OPTIONS
6. CERTIFICATES AND STANDARDS
7. RADIATION SAFETY
8. WARRANTY TERMS
9. GENERAL LAYOUT
10. TRAINING COURSE

CONFIDENTIAL

1. INTENDED USE

The ADANI **BV 5030CA** is intended for visual inspection of various objects (mail, hand-held baggage, luggage and other items) without opening them.

Dual-energy imaging provides automatic color coding of materials with different atomic numbers so that screening staff can easily identify within any parcel dangerous objects or objects that are prohibited for importing (exporting) or are not declared.

The **BV 5030CA** is an ideal solution for the inspection of handbags and small baggage within the limited space and unequipped inspection area. It can be easily relocated without any need for special equipment.

2. GENERAL SPECIFICATIONS

DIMENSIONS

Tunnel dimensions	
- Width	532 ± 3 mm [20.9 in]
- Height	332 ± 5 mm [13.0 in]
* Overall dimensions, not more than	
- Width	695 mm [27.4 in]
- Height	710 mm [28.0 in]
- Length	1240 mm [48.8 in]
*Weight, no more than	160 kg [353 lbs]
Trolley height	370 mm [14.6 in]

* Without trolley and retractable touchscreen

CONVEYOR BELT

Maximum distributed load on the conveyor belt, max	110 kg [242.5 lbs]
Conveyor height, without trolley	150 mm [5.9 in]
Conveyor speed	0.22±0.03 m/s [43.3 ft./min]
Noise level	0 - 65 dB(A)

X-RAY UNIT

Anode voltage	100 kV
Angle of radiation	77°
Beam direction	diagonally downward
Cooling system	oil bath
Anode type	stationary
Film safety	up to ISO 1600 (33 DIN)

DETECTOR UNIT

Detector type	L-shaped multiunit array	
Dual-energy detector	Yes	
Grey levels	65 536	
Type of x-ray sensitive element	solid-state photodiode with scintillation coating	
Number of detection elements in array	960	
**Wire detectability (minimum diameter of copper wire/standard operating mode)	0.08 mm (40 AWG)	
**Steel penetration,	14 mm guaranteed;	16 mm typical
** Spatial resolution, mm (lp/mm)	1.5 in the direction of scanning	1.0 along the detector
Visible contrast levels, more than	24	

** Stated performance as measured by ADANI Test Kit

TECHNICAL SPECIFICATIONS OF THE OPERATOR'S AWS ***

Processor	At least Intel Pentium G3460
Storage device	SSD 240 GB
RAM	DDR3, 4 GB
Graphics	Integrated
Display and control	LCD 21,5" (1920x1080) touchscreen or Retractable LCD touchscreen 18.5" (1366x768) or LCD 19,5" (1600x900) with specialized keyboard or LCD 21.5" (1920x1080) with specialized keyboard
UPS - optional	External
Operation system	MS Windows 8.1 Industry, the fault-tolerant configuration
Image archiving	100.000 images

*** Specifications can be changed on request

POWER SUPPLY

Circuit type	single-phase, general purpose
Line voltage	230 VAC \pm 10% / 120 VAC \pm 5%
Line frequency	50 / 60 Hz
Power consumption	less than 0.6 kVA

ENVIRONMENTAL REQUIREMENTS

****Operation:	
- ambient temperature	0° to +40 °C
- atmospheric pressure, kPa (mm Hg)	84.0 to 106.7 (630-800)
- max. relative humidity (at + 20 °C)	up to 90%, non condensing
Transportation:	

- ambient temperature	-20° to +50 °C
Storage:	
- air temperature	-10° to +50 °C
- max. relative humidity (at + 35 °C)	up to 98%, non condensing

**** Operating temperature can be expanded up to +50°C (option)

3. KEY FEATURES

- Compact size and Light weight	The system can be easily relocated by several persons. It can easily pass through the majority of standard doorways. It can be installed at any place suitable for the user or even on the table.
- Maximum ease of operation	Even a freshman can operate the system. A number of functions for automatic dangerous objects detection is applied for convenient and easy application.
- Retractable touchscreen	The system is standardly equipped with a convenient touchscreen display, that can be folded inside the top cover and locked to avoid interference or damage.
- Automatic identification of suspicious objects (drugs, explosives) and Highlighting of optically dense objects	Algorithms used in software enable automatic highlighting of such objects as weapons, explosives, narcotics, as well as opaque areas, where dangerous object may be concealed. These functions improve operating efficiency.
- Automatic gun detection Software	Automatic gun detection software can detect standard pistols and revolvers of the small size and weighting minimum 300 g. The automatic evaluation function marks dangerous objects in the images displayed to the operator in real-time mode.
- Availability 7 and 3 colors imaging	Operator is free to choose whether to use 3 colours imaging (organics/inorganics/metals), which is familiar by experience, or 7 colours imaging, which is more detailed one and which enables material discrimination on effective atomic number more precisely. New colours help the operator to stay attentive and his/her perception to remain not “overloaded” when working during a long period of time. This improves the performance quality of the operator and a through-flow rate of inspection points.

- Adaptive cooling system	The operation of the cooling fans is automatically adjusted depending on the intensity of scanner operation. This results in reduction of the scanner noise.
- User friendly interface	The set of self-intuitive tools and settings make it possible for the operator to master the system control quickly and easily making thus his/her daily work more comfortable.
- Multilanguage interface	Including English, German, Russian, Italian, French, Spanish, Portuguese, Polish, Arabic, Chinese and any other language on request.
- Quick start-up and shutdown	Due to the new configuration of hardware the system becomes ready for operation within 30 seconds. Instant shutdown of the System is now also possible.
- Safety	Application of the low radiation dose operation mode - 100 kV – makes it possible in some cases to operate the system without special permit.
- Real-time self-diagnostics	State of all important assemblies and components is controlled in the on-line mode allowing the system to be kept operational and the operator to be informed about any changes in good time.
- The fault-tolerant configuration of Acquisition/Analysis Workstation	A special configuration of the Operator’s Workstation makes its software resistant to viruses and other harmful interference. The system shutdown occurs immediately and safe for the equipment and data.

Material Type	Atomic No.	3 Colors	7 Colors	Example	Possible Threat
Light Organic	1-6	Bronze	Red	Polyethylene, light hydrocarbons	Natural gas, gasoline
Organic	6-8	Bronze	Bronze	Timber, oil	Explosives
Low Density Organic	8-10	Bronze	Olive	Paper, alcohol	Narcotic
Mixed	10-12	Green	Lime	Glass	Jewelry, gems
Light Metals	12-18	Green	Green	Aluminum, silicon	Powder, detonators
Heavy Metals	18-30	Blue	Blue	Iron, steel	Weapons, ammunition, knives
Dense Metals	30+	Blue	Purple	Gold, silver	Contraband
Impenetrable	–	Black	Black	Lead	Masked dangerous object

4. SOFTWARE FEATURES

The purpose of the system software is to control the operation of the **BV 5030CA** as well as to provide the opportunity to acquire, visualize and process digital X-ray images. To facilitate the work of the operator, a control panel is provided. The panel makes it possible to access all the software features.

HARDWARE CONTROL FUNCTIONS:

- Controlling the conveyor belt drive, the X-ray generator
- Acquiring data from the X-ray detector
- Automatically calibrating and normalizing the X-ray detector
- Turning off the X-ray generator in case of emergency
- Adaptive cooling system

DIGITAL X-RAY IMAGE ACQUISITION, VISUALIZATION, AND PROCESSING FUNCTIONS:

- Acquiring images without additional algorithmic processing
- Highlighting optically dense objects
- Adjusting contrast of strongly absorbing objects
- Inverting images
- Gamma–correction of images
- Optimizing the overall contrast: combination of edge enhancement and local contrast enhancement algorithms
- Coloring according to calculated values of atomic numbers of substances which compose objects under inspection
- Coloring substances with atomic numbers from a selected range
- Pseudocoloring objects with a possibility of selection of various palettes
- Displaying organic objects with atomic numbers equal to 7, 8, and 9
- Displaying substances according to a selected range of signal strength
- Zooming images up to 96x
- Automatically saving X-ray images in archive

ADDITIONAL FUNCTIONS:

- Saving X-ray images in original or JPEG format
- Browsing the image archive
- Copying images on external storage media (flash-drives)
- Preparing service reports
- Controlling quality of operator's performance with the TIP program module
- Counting inspected baggage

5. OPTIONS

- Entry / exit folding rollers
- Environmental protection kits (tropical or arctic)
- Marine climate proofing kit
- Trolley
- Operator's desk
- Remote operation functionality
- Two monitor operation functionality
- Keyboard operation option
- Set of test objects
- Uninterruptible Power Supply

CONFIDENTIAL

6. CERTIFICATES AND STANDARDS

6.1 ISO 9001:2008 Certified



6.2 CE conformity.

The product conform with essential safety requirements of the following EC/EU New Approach Directives as amended:

- 2006/42/EC** Machinery Directive
- 2014/35/EU** Low Voltage Directive
- 2014/30/EU** Electromagnetic compatibility





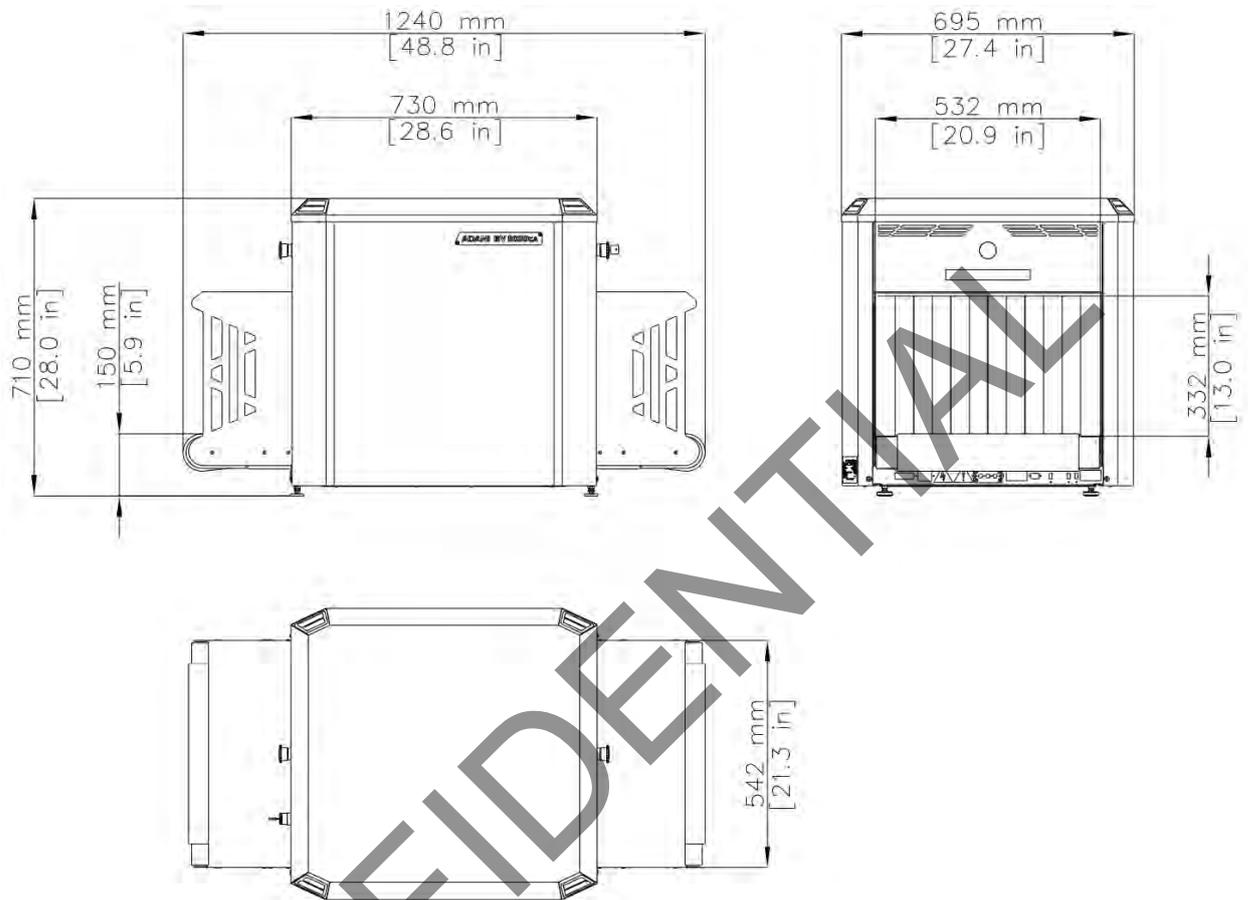
6.3 Compliant with standards for cabinet X-ray systems - US FDA, Center for Devices and Radiation Health, 21-CFR 1020.40

Accession number of 1510571-000

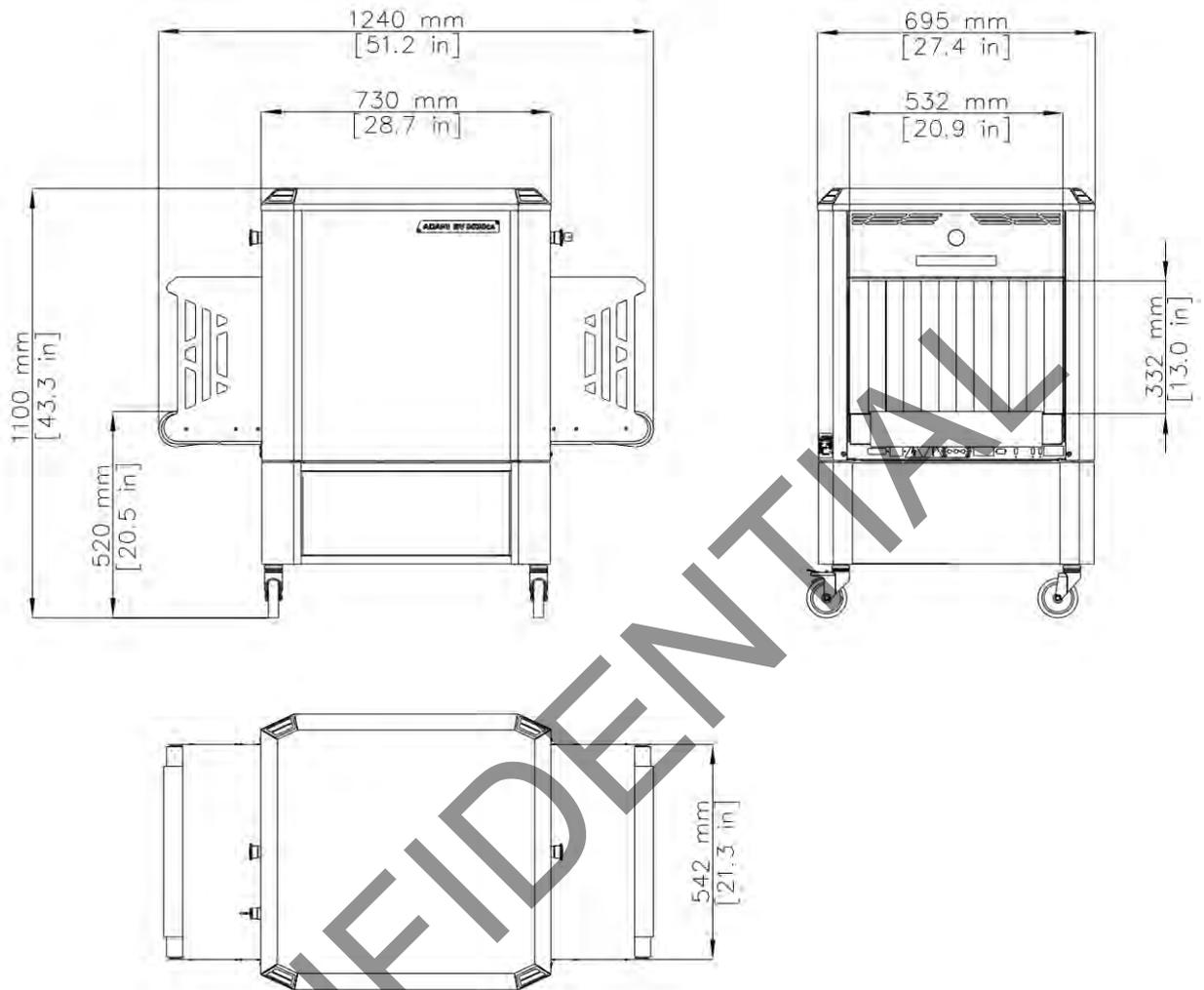
7. RADIATION SAFETY

The design of the system provides radiation leakage attenuation limited to 1.0 $\mu\text{Sv/hr}$ (0.1 mR/hr) or lower at any accessible point at the distance of 0.1 m from the external surface of the system. The dose rate intensity at the workstations of the personnel does not exceed 1.0 $\mu\text{Sv/hr}$.

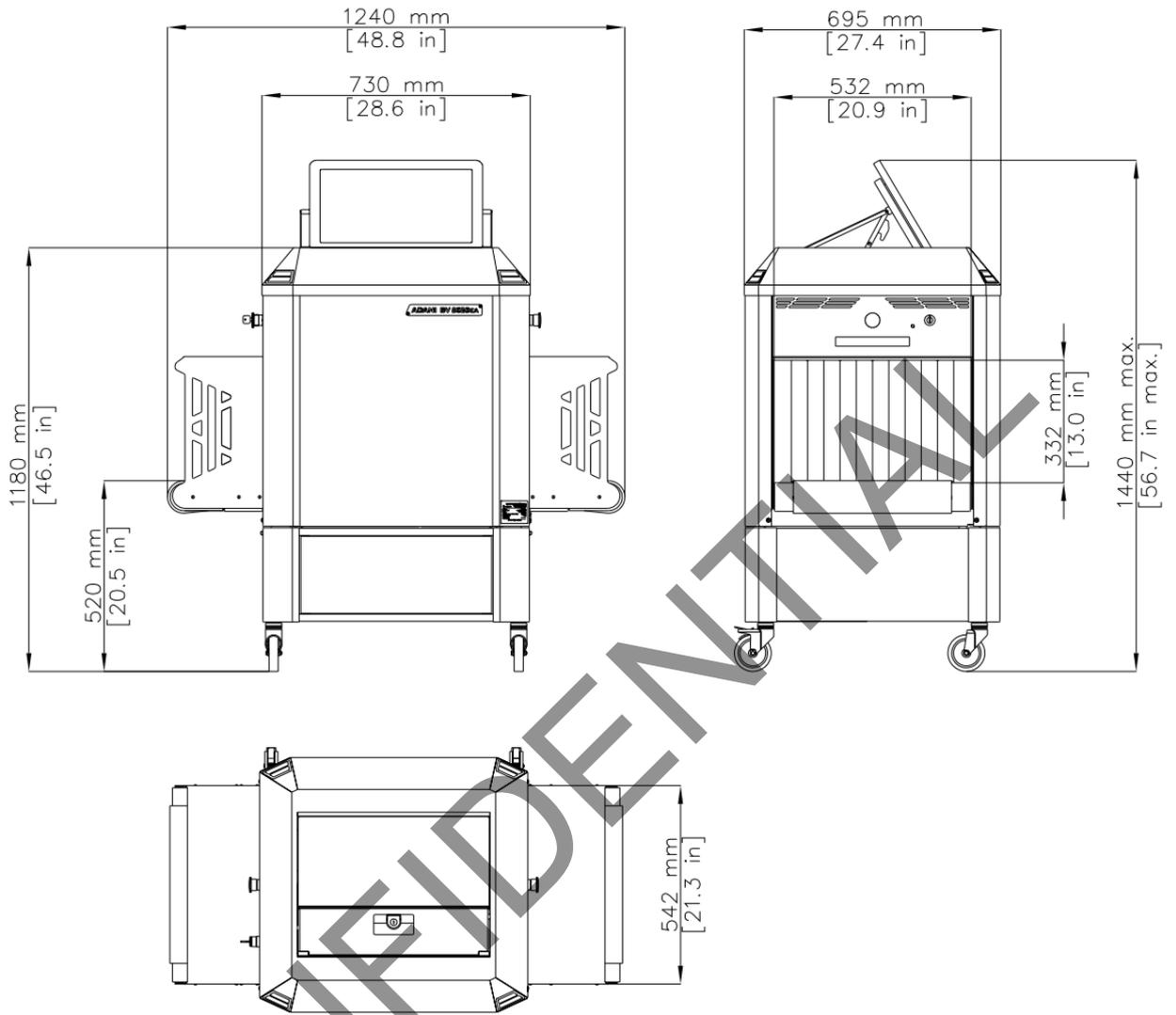
8. GENERAL LAYOUT (SPECIFY TYPES OF LAYOUT)



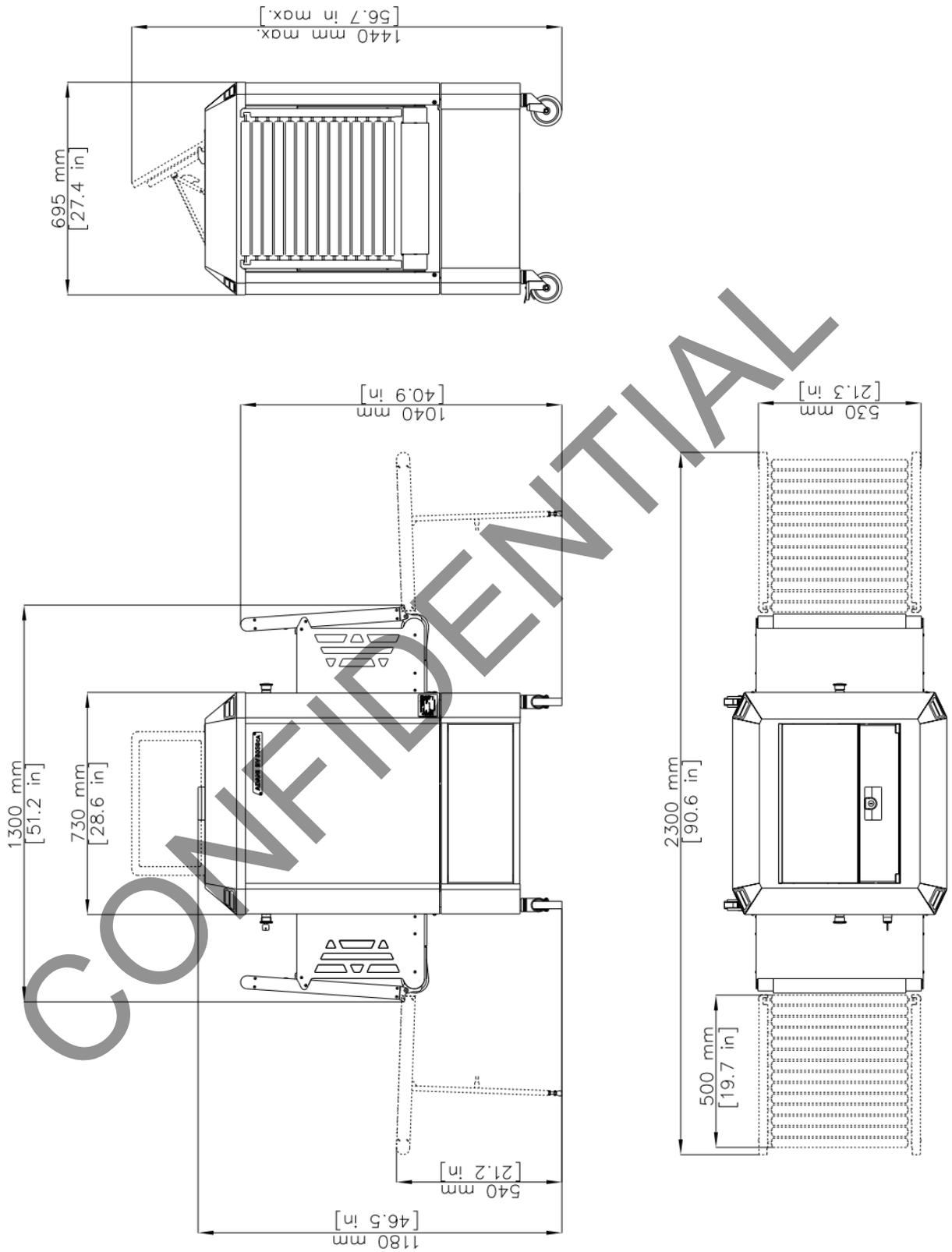
BV 5030CA without trolley, rollers and retractable touchscreen



BV 5030CA with trolley



BV 5030CA with trolley and retractable touchscreen



BV 5030CA with folding rollers, retractable touchscreen and trolley

HI-PE Plus

ENHANCED WALK-THROUGH MULTI-ZONE METAL DETECTOR

- Accurate Detection of all Metallic Threat Items
- High Discrimination and Throughput
- Exceptional Immunity to external interferences
- Compliant with and Certified to the Strictest Security Standards for weapons detection
- Unmatched Reliability
- Rapid Installation
- Panel Design

* Data available upon request

Certified by
Governmental
Laboratories*



GSA Contract Holder

www.ceia-usa.com

Threat Detection through Electromagnetics



The **HI-PE Plus Multi-Zone Metal Detector** provides accurate detection of all metals, high level of discrimination of non-threat items, full compliance with the latest Security Standards and exceptional immunity to external interferences.

FEATURES



VERY HIGH SENSITIVITY

- Capability to detect the full range of metal weapon threats even within body cavities

The **HI-PE Plus** detects firearms and knives of this type, even when they are hidden within body cavities, and accurately indicate the position of the threat, its intensity and its prevalent composition. Inspection personnel thereby acquire thorough knowledge of the metal item and can act, according to procedures, with maximum effectiveness and security.



HIGH RESOLUTION AND PRECISION

- 60 localization zones: ▶ 20 vertical ▶ 3 lateral
- Met-Identity technology for Identification of Threat Composition

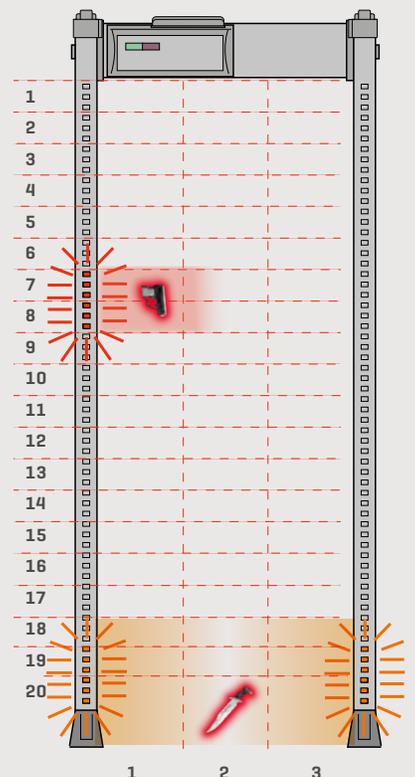
MET-IDENTITY TECHNOLOGY

With Met-Identity technology, the HI-PE Plus allows you to know where, how much and what type of metal is being brought into the secure area.

Ferr **noFe**
• FERROUS METAL • NON FERROUS METAL



60 LOCALIZATION ZONES WITH LEFT, CENTER AND RIGHT INDICATION



The **HI-PE Plus** has a **very low nuisance alarm rate** even at the strictest Security Levels requested today, and therefore allows high transit flow rates and the minimum need for intervention by inspection personnel.

BENEFITS



VERY HIGH THROUGHPUT

- Cutting-edge discrimination technology allows personal effects to be ignored, creating rapid transit flow

The transit volume magnetic scanning system, invented by CEIA and applied since production of the first zonal Metal Detectors in 1986, allows state-of-the-art detection and discrimination results.

The *HI-PE Plus* has a very low nuisance alarm rate even at the strictest Security Levels requested today, and therefore allows high transit flow rates and the minimum need for intervention by security personnel.

UNIQUE ALARM SIGNALING



PROGRAMMABLE DISPLAY BARS

- 4 Multi-Zone Display Bars, each programmable as entry Stop/Go and/or local alarm indication
- High visibility of the control unit and the zone indication independent from the operator position and the installation environment

The HI-PE Plus provides the user with fully-programmable signaling. Both entry-points can indicate with a high level of accuracy, even simultaneously, the vertical and lateral areas of transit of the threats detected, and can also be configured as 'traffic lights' to control transits through the detector.



INTENSITY LEVELS

- Flexible Acoustic Alarm Signaling System:
 - 10 Continuous and Pulsed Tones
 - 34 Special Sounds
- 10 Alarm Volume Levels

A complete acoustic alarm system allows personalization of the alarm tones and volume, with a wide choice of continuous, pulsed and special tones. The wide volume control dynamic allows operation even in very noisy environments.

ALARM




NO ALARM









HIGH PRECISION TRANSIT COUNTER

The Metal Detector provides an automatic count of the people passing through the access point in both directions and the related nuisance alarm percentage:

- In-Bound Transits
- Out-Bound Transits
- Alarm Rate
- Automatic Compensation for repeated transits of the same person



Setting the Security Levels could not be easier and more versatile than in the HI-PE Plus. Users can choose directly from the known International Standards or request implementation of a Standard personalized to their own requirements. Users can also create their own program and save it in internal memory for later use.

MOST POWERFUL AND VERSATILE SECURITY FEATURES



- Up to 50 built-in Security Programs
 - Up to 30 International Standards
 - Up to 20 Customizable Levels

Setting the Security Levels could not be easier and more versatile than in the HI-PE Plus. Users can choose directly from the known International Standards or request implementation of a Standard personalized to their own requirements. Users can also create their own work program and save it in internal memory provided for the purpose.



- Chip Card for automatic selection of Security Levels and parameter changes.
- Any security standard can be enhanced with selectable random alarm probability

RAPID INSTALLATION



- One touch guided automatic installation [OTS]

Innovative function assisting the installation through an automatic step-by-step procedure.
- Continuous self diagnostics assures monitored performance reliability

COMMUNICATION CAPABILITIES

TYPE OF OPERATION	ETHERNET	USB	INFRARED	BLUETOOTH	RS-232
Maintenance	○	○		•	•
Remote Control	○		•	•	•
Remote Data collection	○				

STANDARD • OPTION ○

CHIP CARD SYSTEM

The system allows the Head of Security to set the Security Level quickly, reliably and without having to program the device in any way.



IMMUNITY

Exceptional immunity to environmental interferences makes the Metal Detector easy to use even when electrical noise is encountered.

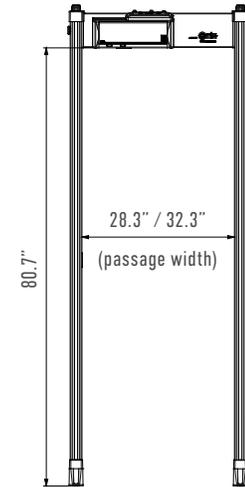


HI-PE Plus/PZ MODEL CONFIGURATION

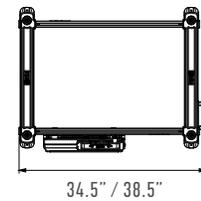
Compliant with the strictest detection and discrimination standards for EMDs [Enhanced Metal Detectors]	•
4 display bars each programmable as zone indicators and/or pacing lights	•
60 localization zones [20 vertical x 3 lateral] with left, center and right indication	•
High precision transit counter	•
Chip Card Reader	•
Bluetooth, infrared and RS-232 communication	•
Programmable Random Alarm capability	•
3-Level Password and hardware key access protection	•
Met-Identity technology [separate Ferrous and Non-Ferrous alarm signaling]	•
One Touch Automatic Self Installation [OTS]	•
Automatic Operational Functional Verification [OFV]	•
Automatic Vibration Compensation [AVS, EVA]	•
Automatic Channel Search [CS]	•
Automatic Floor Gain Adjustment [FGA]	•
Automatic Technical Functional Verification [TFV]	•
Automatic Environmental Noise Compensation [ENA]	•
Powered by safe low voltage DC	•
Anti-tamper on/off switch	•
Integrated web-server & logger [includes Ethernet and USB interface]	○
Weather resistant protection	○
Anti-vandalism, anti-tampering protection [with IP65 control unit]	○
IP65 protection [IP65 control unit, IP68 power supply adapter, anti-vandalism protections, weatherproof gate structure, compliant with IEC 60950-22]	○
Embedded battery charger and under-voltage protection	○
Long life crossbar battery back-up	○
32.3" useful passage width	○
STANDARD • OPTION ○	

DIMENSIONS

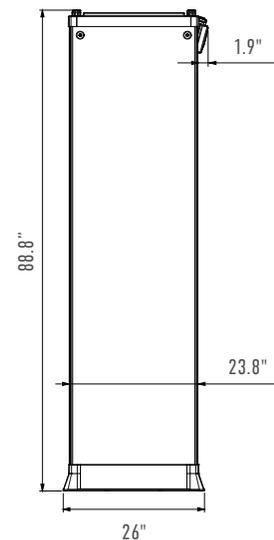
FRONT



TOP



LATERAL



OPTIONS / UPGRADE KITS

WEATHER RESISTANT PROTECTION

Kit for upgrading the standard version to outdoor applications according to IEC 60950-22; this kit includes shelters, crossbars, protection covers for power supply and IP68 mains power supply adapter.

- 28.3" passage width [part # 55630]
- 32.3" passage width [part # 55633]



ANTI-VANDALISM, ANTI-TAMPERING PROTECTION

This option includes stainless steel control unit, IP68 mains power supply adapter, protection covers for power supply and antenna connection compartments, equipped with screws requiring tools for removal.

Part # 55629



IP65 PROTECTION

This option comprises the Weather Resistant and the Anti-vandalism kits.

- 28.3" passage width [part # 55631]
- 32.3" passage width [part # 55632]

32.3" USEFUL PASSAGE WIDTH

Part # 55635

LONG LIFE CROSSBAR BATTERY BACK-UP

Crossbar battery back-up in stainless steel case.

- Up to 13 h of autonomous working time
- 5 hours typical charging time.

Part # 76866



EMBEDDED BATTERY CHARGER AND UNDER-VOLTAGE PROTECTION

Advanced power supply module with anti-tamper on/off switch, RS-232 interface, internal battery back-up and 12 hours mains disconnection diagnostic alarm.

Part # APSM2Plus/P



INTEGRATED WEB-SERVER & LOGGER, BATTERY BACK-UP AND CHARGER

Anti-tamper on/off switch, RS-232, USB, 10/100 baseT Ethernet interface, data logger, real-time clock, integrated web-server, transit statistical data analysis, 20' internal battery back-up with 12 hours mains disconnection diagnostic alarm.

Part # APSIM2Plus/P



ACCESSORIES

CHIP CARDS

Chip cards for simple and secure selection of Security Levels and parameter setting.

List of chip-cards available on request.



MD-SCOPE

Powerful, PC based installation and service Software. Includes oscilloscope and terminal functionality (part # MD-SCOPE2).

The connection is performed via bluetooth (standard) or via cable connection (part # 3805).

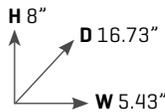


MBSU-2

Independent, compact size, long life power supply in weatherproof stainless steel case, with embedded fast charger:

- 12 hours typical (up to 17 h) continuous operation with HI-PE Plus
- 7 hours typical charging time.

Part # MBSU-2



RCU2

Control unit for full remote access, including alarm signalling and programming of CEIA Metal Detectors (part # RCU2).

The connection is performed via bluetooth (standard) or via cable connection (part # 3618).



VISUAL ALARM WITH ZONE INDICATION



IRC-1

Infrared Remote Controller for wireless remote programming of the control unit.

Part # 47180



WHEEL KIT - LONG RANGE

For heavy duty, longer range movement of the walk-through metal detector.

Part # 70796

WHEEL KIT - SHORT RANGE

For short range movement of the walk-through metal detectors.

Part # 75459U



UPPER CONNECTION MODULE

This extension cable allows the connection of power supply and serial communication to personal computers or CEIA accessories, such as RCU-2.

Part # 46650

RRU

Remote relay unit (RRU) to repeat the detection alarms of the gate through a relay contact. The RRU module can be used for integration of the Metal Detector in interlocked door systems.

Part # RRU-0003

WATERPROOF MAINS POWER SUPPLY

IP68 power supply for outdoor applications. It is provided with flanges for simple installation.

Part # 64610

METAL DETECTOR DIVESTING TABLE

In combination with CEIA Walk-Through Metal Detectors, it is a temporary location of personal metal effects for people to be screened.

- Standard length: 24" (Part # 18074)
- Extended length: 47" (Part # 39491)
- Outdoor version: 51" (Part # 67021U)



TEST SAMPLES KIT

Reference Samples for accurate verification of the Security Level.

Includes guided procedures and certificate of calibration:

Part # 23870, 64435





SPECIFICATIONS

KEY FEATURES	Wide range of threat detection from guns to 1/2 cutter blade	
	Excellent discrimination of personal metal effects	
	60 localization zones (20 vertical x 3 lateral) with left, center and right indication	
	Met-Identity technology identifies and signals the metal type in real time	
	High precision bidirectional counter with automatic rescreening compensation	
	Random alarm capability programmable from 0% to 100%	
	Exceptional Immunity to external interferences	
Standard Interfaces: Bluetooth, Infrared . Other available interfaces: Ethernet, USB		
QUALITY	Continuous self diagnostic system	
	Proven reliability	
	No periodic re-calibration and preventive maintenance required	
	No scheduled maintenance	
Fully digital design		
GATE STRUCTURE	State-of-the-art, robust and washable panels	
	Protected against aging, weather and wear	
CENTRAL CONTROL UNIT	Ergonomic and robust design	
	High visibility alphanumeric display and programming keyboard	
	Made of advanced plastics or stainless steel and anti-vandalism construction (option)	
Access to the front panel protected by hardware key and 3 levels of passwords		
ALARM SIGNALING	VISUAL SIGNALS	Multi-zone display bar for "height on person" localization
		4 light bars with selectable entry/exit and pacing indication
	Green and red metering signals proportional to the mass of the detected target	
	AUDIO SIGNALS	10 selectable continuous and pulsed tone plus 34 special tones
10 selectable sound intensities ranging from 0 to 90 dbA at 1m		
TYPE OF SIGNALING	VISUAL	Fixed or proportional to the mass in transit - visible from 6m under lighting of 4000lux
	VISUAL ZONE INDICATION	60 distinct zones (20 vertical x 3 lateral) entry and exit side
PROGRAMMING	Up to 50 built-in Security Programs	
	Remote via Infrared Remote Control Unit, Bluetooth™ or Ethernet 10/100 base T (option) interface	
	SECURITY LEVEL	International Standard (IS) command
		Chip card
Local by Control Unit alphanumeric display and keyboard		
Programming and chip card access protected by user and super-user passwords		
OPERATIONAL FEATURES	High discrimination and transit flow rates five or more times greater than other metal detection systems	
	Quick reset time as short as 0.2 seconds for high throughput rate	
	Very high detection speed (up to 50 ft/sec.)	
	Built-in operational functional verification	
	One-touch key reading of inbound, outbound and Security Level Data	
INSTALLATION DATA	Automatic synchronisation between two or more metal detectors with distance of down to 2" without the use of external cables	
	Automatic Installation function (OTS)	

APPLICATIONS

- GOVERNMENT BUILDINGS
- INDUSTRIES [SECURITY]
- NUCLEAR FACILITIES [SECURITY]
- PRISONS [VISITORS]
- PUBLIC EVENTS
- AMUSEMENT PARKS
- COURTS
- CRUISE SHIPS
- DATA PROCESSING CENTERS [EDP]
- HOTELS
- SCHOOLS SECURITY

ENVIRONMENTAL DATA

- POWER SUPPLY : 100...277V - ±10%, 47...63Hz, 40 VA typical consumption
- OPERATING TEMPERATURE: -4°F to 149°F (-34°F to 158°F upon request)
- STORAGE TEMPERATURE: -34°F to 158°F
- RELATIVE HUMIDITY: 0 to 95% (without condensation)

CERTIFICATION AND COMPLIANCE

- Compliant with and certified to the applicable Standards for Enhanced Metal Detectors (EMD)
- Compliant with the applicable electromagnetic Standards on Human Exposure and Pacemaker Safety
- Compliant with all Airport Security Standards worldwide
- Compliant with applicable International Standards for electrical safety and EMC
- Harmless to magnetic media (CD, tapes, etc.)

COMPREHENSIVE SUPPORT

- CEIA USA provides full operational and technical training support by certified personnel either at CEIA USA facility or at customer location



CEIA USA Ltd - 9155 Dutton Drive, Twinsburg OH - 44087

Phone: 330-405 3190 • Fax: 330-405 3196 • E-mail: security@ceia-usa.com • Call [833] 224-2342 [CEIA]

www.ceia-usa.com

BV SERIES MAINTENANCE CHECKLIST / RADIATION LEAKAGE SURVEY REPORT

Facility Name & State: _____ Unit location: _____

ADANI BV Model: _____ S/N: _____ Manufacture date: _____

Item	Description	√ = Pass X = Fail	Comments
1	Inspect the power cord/wires for any damage and repair/replace		
2	Inspect and clean the area around the unit and exterior surfaces as necessary		
3	Verify that required warning labels are in place and legible		
4	Inspect monitor(s) are clean and adjust as necessary		
5	Inspect and adjust curtains as necessary		
6	Clean/vacuum inside cabinet and cooling fans filters as necessary. Check internal cables/wiring for damage		
7	Inspect the x-ray generator for oil leakage		
8	Start the system and verify that cooling fans inside cabinet and PC are running & clean		
9	Inspect belt surface for damages and belt shifting. Adjust as necessary		
10	Check all lights for proper operation. Replace as necessary		
11	Verify proper function of emergency stop switches/panel interlocks		
12	Note BV Software Version: _____ Total number of scans: _____		
13	Scanned image – verify correct functioning of zoom, image enhancement and other features. Make sure that image of good quality		
14	High Penetration mode: Y / N List the kVp _____ mA _____		
15	Check and set the correct time and date on the computer		
16	Check the detector histogram/graph, adjust detector as necessary		
17	Measure the dosage power at operator’s workplace at height from floor	100 mm/12 in	
		900 mm/36 in	
		1500 mm/60 in	
18	Perform a radiation leakage survey to ensure compliance with the requirements of HPS/ANSI 43.17-2009, measured 5 cm from surface accordingly to each surface shown on image below. Readings will be in uSv/hr (microseiverts per hour) unless otherwise noted. Leakage should be below 5.0 uSv/hr. Scatterblock Description: _____ Survey Meter Model: _____ Serial Number: _____ Last Cal Date: _____	Surface 1	
		Surface 2	
		Surface 3	
		Surface 4	
		Surface 5	
		Surface 6	
		Surface 7	
		Surface 8	
		Surface 9	

Inspector name (print): _____ Inspector signature: _____ Inspection date: _____

Customer name (print): _____ Customer signature: _____ Date Signed: _____





SERVICE CONTRACT TERMS AND CONDITIONS

This Contract sets forth the entire agreement between ADANI Systems, Inc., ("ADANI", "us", "our" or "we") and the purchaser ("you" or "your") of the product specified in this Contract ("Product"). No other representation, promise or condition shall modify this Contract. We are contractually obligated to provide you service under this Contract in accordance with, and as allowed by, state law.

What is Covered: We will furnish labor and parts necessary to repair operational or mechanical breakdowns of the Product, provided such service is necessitated by Product failure during normal usage. The Product includes only equipment as originally specified and charged for in this Contract. Coverage also applies to the parts and accessories that are necessary for the Product's functionality, but does not apply to the accessories that are used in conjunction with or to enhance the performance of the Product.

Important Notes: If you request a service call for a non-covered repair, you will be responsible for time and materials associated with the repair. In the event you are unable to meet the servicer, you must call to cancel the appointment in advance of the agreed upon time of service or you will be responsible for paying for the second trip for the rescheduled repair. **This Contract must be paid in full prior to services being rendered.**

Location and Time for Service: This Contract covers on-site service on all equipment. After we authorize your request, services will be performed during normal working hours by an authorized technician.

Parts: Parts used to repair the Product will be genuine replacement parts whenever possible, designed to work with the Product. However, at our option, we may use refurbished parts that perform to the factory specifications of the Product.

Deductible: No deductible applies to this Contract.

Renewal: This Contract is renewable at our sole discretion.

Preventive Maintenance: This Contract covers Preventive Maintenance as required by law or per agreed upon terms .

Limitations of Coverage - This Contract Does Not Cover:

- a) Service required as a result of any alteration of the Product, or repairs made by anyone other than an authorized service technician.
- b) Damage or other Product failure due to causes beyond our control including, but not limited to, operator negligence, the failure to maintain the Product according to the owner's guide, misuse, abuse, vandalism, theft, fire, flood, wind, freezing, power failure, voltage fluctuation, power surges, improper electrical connections or service, acts of war, or acts of God.
- c) Service necessary because of improper storage, improper relocation, or ventilation, including failure to place the Product in an area that complies with the manufacturer's published space or environmental requirements.
- d) Any installation that prevents normal service, including inaccessible Products or parts.
- e) Cosmetic damage such as, but not limited to, scratches, dents, rust or stains. Nonfunctional parts such as, but not limited to, plastics, internal and external finishes including paint, chrome, and metal covers. Expendable or lost items.
- f) Operational or mechanical failure not reported prior to the expiration of this Contract.
- g) Pre-existing conditions (incurred prior to the effective date of coverage) known to you.
- h) Products where the attached serial plate is removed, defaced or made illegible.
- i) Damage resulting from unauthorized repair, or caused during delivery or removal, by improper relocation of the unit, or by misuse or abuse whether willful or not.
- j) Consequential or incidental damages due to Product failure or due to delays or failures in furnishing parts or services for any reason beyond our control.

Modification / Transfer: No modification or change of this Contract can be made, including transfer of ownership of the Product, except with our written consent.

This Contract is provided by, and the obligations of the provider under this Contract are backed by the full faith and credit of, **ADANI Systems, Inc.**

COMPREHENSIVE SERVICE AGREEMENT

Items Covered Under This Agreement:

- Necessary Repair Parts
- Labor (Mon. – Fri. 8:00 AM – 5:00 PM /As described in Schedule A)
- Travel Time to and from Equipment Location (Mon. – Fri. 8:00 AM – 5:00 PM /As described in Schedule A)
- Shipping and Freight of Replacement Parts (Ground Freight Only)
- Airfare, Lodging, Meals, Etc.
- Preventative Maintenance (Two Times per Year)
- Annual Radiation Safety Surveys

ADANI Systems Inc. (“ADANI”), a corporation organized and existing under the laws of the Delaware, hereby agrees to maintain all purchased equipment in accordance with the terms and conditions of this Agreement:

1. Equipment.

Equipment is defined as electronic equipment and systems as identified on Schedule C, “Equipment Locations”. Customer agrees not to modify equipment without prior consent from ADANI. Equipment, attachments, or features added by the customer are not to be maintained under this agreement. Relocation or removal of equipment must be requested in writing from the customer and must be approved by ADANI.

2. Installation Site.

Installation Site is defined as the equipment location. Customer shall provide and maintain a clean operating environment at installation site meeting the operating specifications of the installed equipment.

3. Equipment Inspection.

ADANI reserves the right to pre-inspect equipment for proper operating condition prior to maintenance agreement coverage acceptance. Equipment determined not meeting the manufacturer specifications may be refused maintenance service coverage. Any necessary repairs, modifications, and adjustments to make equipment acceptable for coverage will be at an additional charge prior to an approved agreement.

4. Maintenance Service.

Maintenance Service is defined as onsite remedial maintenance performed by ADANI to repair or replace equipment, on a time and materials basis, where the customer has followed the procedures established by ADANI to identify and report suspected problems. Maintenance Service may include the furnishing of necessary replacement parts, which may be provided on an exchange basis at ADANI’s option. ADANI reserves the right to modify the design and specifications of the equipment covered under this agreement, provided the modification does not adversely affect the operational performance of the equipment. ADANI reserves the right to replace any item of equipment deemed by ADANI as not functionally capable of performing its intended use with a functionally serviceable item of equivalent performance rating and value. Maintenance Service requests resulting from service or repair by other parties shall be billable at the service rates identified on Schedule A, “Time and Material Rates”. Preventive Maintenance shall be performed bi- annually or two times per year with radiation surveys performed on an annual basis.

5. Equipment Relocation.

Customer shall provide ADANI with a thirty-day (30-day) written notice of customer’s intent to relocate equipment. Any re-installation or repair service requested for relocated equipment shall be billable at the service rates identified on Schedule A, “Time and Material Rates”. In no event shall there be any interruption in maintenance charges or payment. ADANI shall reserve the right to refuse maintenance service on any relocated equipment.

GOLD SERVICE AGREEMENT (cont.)

6. Refusal of Maintenance Service.

Customer is responsible for proper use and operation of equipment. ADANI reserves the right to refuse maintenance service on equipment due to:

- a) Unauthorized equipment alterations or modifications.
- b) Neglect, misuse, or failure of electrical power.
- c) Damage from water, liquid spillage, electrical storms, interconnecting devices (unless approved in writing by ADANI) or other physical damage.
- d) Customer arrears on payments due ADANI or otherwise in breach of this agreement.

7. Principal Period of Maintenance (“PPM”).

PPM is defined as the time period in which maintenance service shall be performed. ADANI maintenance service hours are Monday – Friday 8:00 AM – 5:00 PM, customer’s local time, excluding ADANI designated holidays, as identified on Schedule B. Service requested during ADANI designated holidays are not covered under this agreement and shall be at an additional charge. Such charges shall be in accordance with the rates specified on Schedule A, “Time and Material Rates”.

8. Service Requests.

The customer shall notify ADANI customer service at **1-844-989-6789** and select option one for customer service or direct at 1-936-703-5756 or by e-mail at service@adanisystems.us when requesting maintenance service. ADANI agrees to respond to service requests, during the PPM, on a best effort basis normally not to exceed twenty- four (24) hours from receipt of the service request.

9. Annual Maintenance Charges.

Annual Maintenance Charges, if applicable, are listed on Schedule E and are in effect on the date of this agreement. Annual Maintenance Charges are subject to change at the end of the initial term. At the end of the initial term, the Annual Maintenance Charges may be increased by an amount not to exceed ten percent (10%) of the previous charge rate.

10. Payment.

Payment of these annual maintenance charges, plus any additional billable service charges as defined herein, shall be made in full and in advance for each quarter of the maintenance service contract agreement unless otherwise specified.

11. Initial Term.

This agreement and any amendment hereto shall commence as indicated on Schedule E for the initial term and effective start date.

12. Excusable Delay.

ADANI’s maintenance organization shall not be responsible for non-performance of its obligations hereunder to the extent and for such periods of time as such non-performance, defective performance or late performance is due to causes beyond its control and occurring without its fault or negligence. Excusable delays include, but are not limited to, acts of God, war (including civil war) acts of any government in either its sovereign or contractual capacity, fire, explosions, the elements, epidemics, quarantine restrictions, strikes, lockout, embargoes, unusually severe weather, delays in transportation, airline schedule, fuel shortages, or delays of suppliers or subcontractors for like causes.

13. ADANI’s Remedies.

- a) It shall be a default hereunder if the customer:
 - 1) Fails to pay any charge when due.
 - 2) Fails to perform any customer obligations under this agreement and such failure shall continue for (10) days after notice from ADANI.
 - 3) Falls subject to any proceeding under the Bankruptcy Act or other insolvency.
- b) On customer’s default, ADANI as its sole option shall have the right to exercise concurrently or separately any or all of the following remedies:
 - 1) Declare due and payable all charges due.
 - 2) Terminate this agreement.
 - 3) Pursue any other remedy at law or in equity.

GOLD SERVICE AGREEMENT (cont.)

14. Disclaimer of Warranty.

THIS AGREEMENT IS FOR PROVISION OF PARTS AND SERVICES NECESSARY TO MAINTAIN THE EQUIPMENT DURING THE TERM OF THIS AGREEMENT. ADANI MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED WITH RESPECT TO ANY PARTS OR SERVICE PROVIDED IN CONNECTION WITH THIS AGREEMENT, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ADANI SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES, INCLUDING, BUT NOT LIMITED TO INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH FURNISHING OF MAINTENANCE SERVICE TO BE PERFORMED BY ADANI PURSUANT TO THE TERMS HEREOF, OR PARTS TO BE SUPPLIED HEREUNDER, OR THE PERFORMANCE, USE OF, OR INABILITY TO USE THE EQUIPMENT.

15. Miscellaneous.

- a) This agreement and the attached schedules constitute the entire understanding between the customer and ADANI with respect to the maintenance service to be provided as described herein. The terms and conditions contained within this agreement shall override all proposals, oral or written, and all printed terms and conditions contained on any purchase order or acknowledgment form issued by the customer. This agreement may not be amended except in writing between the parties.
- b) This agreement shall be governed and construed under the laws of the State of California.
- c) Should any provision of the agreement be found to be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.



Items Not Covered Under This Agreement:

- Labor and Travel on ADANI Holidays
- Customer Requested Express or Air Freight of Replacement Parts (Billed at Cost)
- User Error, Neglect, Physical Damage or Abuse
- Relocation of Equipment
- Refurbishment of Equipment

**SCHEDULE A
TIME AND MATERIAL RATES**

Maintenance Services performed outside of ADANI’s Principal Period of Maintenance (PPM defined as Monday – Friday / 8:00 AM – 5:00 PM) customer’s local time, excluding ADANI designated holidays, as identified on Schedule B shall be billable as follows. Local Travel Mileage is defined as miles driven to or from the service location within a 100-mile radius.

<u>RATES AND SERVICES</u>	<u>STANDARD RATES</u>	<u>HOLIDAY RATES</u>	
REPAIR:	\$200.00	\$300.00	per / hour
TRAVEL:	\$150.00	\$225.00	per / hour
LOCAL TRAVEL MILEAGE:	0.54	0.54	per / mile

RADIATION SURVEY: No Charge if conducted with Bi-Annual PM
Dedicated Trip - \$1500.00

*Above listed rates only apply to billable calls only.

*Time and Material rates are subject to change without notice.

**SCHEDULE B
ADANI OBSERVED HOLIDAYS**

NEW YEAR’S DAY
MEMORIAL DAY
INDEPENDENCE DAY
LABOR DAY
THANKSGIVING DAY
CHRISTMAS DAY

BID NO.: 50-00132518

BID FORM
Non-Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12-month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF July 23, 2021

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES 10 days/ARO

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: ADANI Systems, Inc.

ADDRESS: 13631 Poplar Circle

CITY, STATE: Conroe, Texas ZIP: 77304

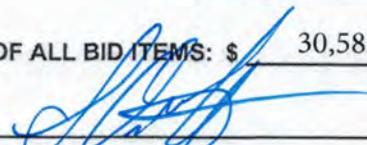
TELEPHONE: (936) 588-2064 FAX: (936) 249-0318

EMAIL ADDRESS: sortolani@adanisystems.com

In the event that addenda are issued with this bid, bidders **MUST** acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____
NUMBER: _____
NUMBER: _____
NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 30,583.38

AUTHORIZED SIGNATURE: 

TITLE: Chief Operating Officer

Scott Ortolani
Printed Name

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the **BID NUMBER** and **BID OPENING DATE** indicated on the outside of the electronic envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00133349

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	1.00	EA	FURNISH LABOR, MATERIALS AND EQUIPMENT TO INSTALL ONE (1) NEW WALK-THROUGH INSPECTION SYSTEM AND ONE (1) NEW WALK-THROUGH MULTI-ZONE DETECTOR FOR THE JEFFERSON PAR DEPT OF GENERAL SERVICES 0010-HI-SCAN 5030c X-RAY INSPECTION SYSTEM TO INCLUDE THE FOLLOWING: *19 LCD MOINTOR *CART *OPERATOR KEYBOARD *SOFTWARE: HI-SPOT-AUTOMATIC DENSE AREA DETECTION HI-TRAX-IMAGE ENHANCEMENT FUNCTIONS HI-MAT-MULTI-ENERGY FOR MATERIAL IDENTIFICATION BY COLOR *OPERATOR MANUAL *12-MONTH STANDARD WARRANTY *2-HOUR OPERATOR ORIENTATION BY FIELD SERVICE TECHNICIAN *ADVANCED SOFTWARE OPTIONS PACKAGE: IMAGE STORE SYSTEM - DIGITAL IMAGE MANAGEMENT HI-TIP PLUS-THREAT IMAGE PROJECTION HIGH DENSITY ALERT - AUTOMATIC MARKING OF SUSPICIOUS OBJECTS XPORT-AUTOMATIC IMAGE TRANSMISSION OTS XTRAIN-OPERATOR TRAINING ITEM#: 11128856	\$15,226.88	\$15,226.88
2	1.00	EA	0020-1/2-METER INPUT ROLLER 5030c ITEM#: 11117812	INCLUDED	\$0
3	1.00	EA	0030-1/2-METER OUTPUT ROLLER 5030c ITEM#: 11117811	INCLUDED	\$0
4	1.00	EA	0040-ON-SITE EXTENDED WARRANTY WITH PREVENTATIVE MAINTENANCE TO INCLUDE: *ON-SITE SERVICE COVERAGE 8:30 AM TO 5:00 PM, MONDAY TO FRIDAY *ALL LABOR, TRAVEL TIME AND TRAVEL EXPENSES *ALL REPLACEMENT PARTS REQUIRED *UNLIMITED ACCESS TO 24/7 TECHNICAL SUPPORT *ANNUAL PMI AND RADIATION LEAK SURVEY ONE YEAR (NCLUDED) OPTIONAL FIVE YEARS TOTAL ITEM#: OSPM-5030	\$2,250	\$9,000
5	1.00	EA	0050-SHIPPING AND HANDLING FOR 5030c X-RAY INSPECTION SYSTEM	\$500	\$500

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
6	1.00	EA	0060-INSTALLATION OF 5030c LEAK RADIATION LEAK SURVEY AND OPERATOR ORIENTATION	\$1,500	\$1,500
7	1.00	EA	0070-HIPE PLUS/PZ WALK THROUGH METAL DETECTOR ITEM#: CEIA-211	\$3,656.50	\$3,656.50
8	1.00	EA	0080-SHIPPING AND HANDLING FOR HIPE PLUS/PZ WALK THROUGH METAL DETECTOR	\$200	\$200
9	1.00	EA	0090-INSTALLATION FOR HIPE PLUS/PZ UNIT INSTALLATION AND OPERATOR ORIENTATION NEEDED FOR BUILDING SECURITY AT THE NEW EMPLOYEE ENTRANCE TO THE GOVERNMENT COMPLEX (COVID-19 RELATED) REF NO. 8143 20 ORDERED BY/FOR: T.HOSKINS QUOTE ATTACHED CONTACT: J.P. GENERAL SERVICES ATTN: TIM HOSKINS 960 1ST STREET GRETNA, LA 70053 (504)364-3470 RE-BID #50-132518	\$500	\$500
					\$30,583.38