



*Subsidiary unit of Optimum  
Viking Satcom*

***Mr. VC Gaur**  
**Founder & Director***

***Hexagon  
Engineering &  
Solution***

***An Initiative under  
Make In India,***

***By Mr. VC Gaur,  
Director and  
Founder***



## ***Message from our Director & Founder***

**START SMALL, THINK BIG, PREPARE  
TODAY FOR TOMORROW**

*If you start small and deliver quality products today to our customers, big things will follow. We as a Team, have to work hard today and prepare ourselves for the bigger opportunities for tomorrow.*

***Mr. VC Gaur***

***Director & Founder***



**HEXAGON**  
ENGINEERING & SOLUTION



**Manufacturing  
Facility in Site-C,  
Surajpur  
Industrial area,  
Greater Noida  
800 sq. mtr plot**

# ***Management Team***

## **Mr. VC Gaur**

*Director & Founder of Hexagon Engineering & Solution*

*Director & Co-founder of Optimum Viking Satcom India (13 year completed)*

*Mr. V C Gaur have got over 22 years of experience in the SATCOM INDUSTRY which includes Technical background with Experience in Sales, Marketing and Program Management. He held Country Head Position for over a decades, serving global Companies such as TRIPOINT GLOBAL ASIA PVT. LTD (now CPI), COBHAM SATCOM INDIA and AMPLUS COMMUNICATIONS INDIA. He earned his M. Tech degree with First Class from National Institute of Technology (N.I.T) Kurukshetra (formerly known as Regional Engineering College R.E.C Kurukshetra).*



# ***Management Team***



## **Mr. Sanjay Mittal**

*Co-founder and Director of Former Kunta International*



*Mr. Sanjay Mittal is a very well known name in the manufacturing Industry and have over 30+ Years of huge experience of establishing KUNTA International Ltd. & R.L. Industries as an International Brand.*

*Under His leadership, Kunta has designed & manufactured many different Defense parts and systems as per customers requirement. His mentorship and guidance is helping us to continue the legacy of Kunta International and serve Defense customers and thereby catering Satcom and Aerospace market.*

# ***Core Team Members Background***



**Mr N D PANDEY**  
**GM ( Technical & BD )**

*Mr N D Pandey who has over 18+ years of Satellite industry experience, where he specialized in Fixed VSAT systems, Mobile Antenna systems & Earth Station Antenna Systems. He had worked with some of the key players of this field such as GD SATCOM ( VERTEX RSI & PRODELIN Antenna), and Cobham Satcom with hands on Training in USA for all kind of Antenna Controllers. He is responsible for Project management and providing technical support to customers*



**Mr. Anil Kumar**  
**DGM (Operations)**

*Mr Anil Kumar is another Core member of the company and have been associated with this company since last 13 years. He had completed his MBA in finance/HR from NSIT, Delhi and look after the complete operations process right from finance, purchase, Import/Export, logistics, daily execution along with Man-power management.*

## ***Design and Execution team***



**Mr Uttam Kumar Sepai**  
**Assistant Program Manager**

*Mr. Uttam Sepai is our Designer and Assistant Program Manager and is having experience of over 15 Years in the field of Designing and manufacturing. He had worked with Kunta for over 15 Years. He is with the company since last 1 Year. He is mainly responsible for looking after the Design and execution of various projects undertaken by Hexagon Engineering and Solution.*



**Mr Sunil Kumar**  
**Operations and Finance**

*Mr. Sunil Kumar have done MBA in Finance and Supply Chain Management and is working for this company since the beginning of his career. He looks after daily Operations, Finance and Logistics and is been working for the company since last 2 years. He is involved in vendor co-ordination, planning and execution of all our precious on-going projects.*





## Certificate of Registration

This is to certify that:

### HEXAGON ENGINEERING & SOLUTION

F-46 UPSIDC, SITE-C SURAJPUR INDUSTRIAL AREA, GAUTAM BUDDHA NAGAR GREATER NOIDA-201308, UP, INDIA

has been independently assessed by QRO and is compliant with the requirement of:

**ISO 14001:2015**

**Environmental Management System**

For the following scope of activities:

**“MANUFACTURING OF ELECTROMECHANICAL PRODUCTS AND ACCESSORIES”.**

Date of Certification: 10th April 2023  
1<sup>st</sup> Surveillance Audit Due: 9th April 2024

2<sup>nd</sup> Surveillance Audit Due: 9th April 2025  
Certificate Expiry: 9th April 2026

**Certificate Number: 305023041034E**



*Chamunda...*  
Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 305 days from date of the audit. (In case surveillance audit is not allowed to be conducted; this certificate shall be suspended / withdrawn)  
The Validity of this certificate can be verified at [www.qrocert.org](http://www.qrocert.org)  
This certificate of registration remains the property of QRO Certification LLP, and shall be returned immediately upon request.

India Office : QRO Certification LLP  
142, 1<sup>st</sup> Floor, Avtar Enclave, Near Paschim Vihar West Metro Station, Delhi-110063, (INDIA)  
Website : [www.qrocert.org](http://www.qrocert.org), E-mail : [info@qrocert.org](mailto:info@qrocert.org)



## Certificate of Registration

This is to certify that:

### HEXAGON ENGINEERING & SOLUTION

F-46 UPSIDC, SITE-C SURAJPUR INDUSTRIAL AREA, GAUTAM BUDDHA NAGAR GREATER NOIDA-201308, UP, INDIA

has been independently assessed by QRO and is compliant with the requirement of:

**ISO 9001:2015**

**Quality Management System**

For the following scope of activities:

**“MANUFACTURING OF ELECTROMECHANICAL PRODUCTS AND ACCESSORIES”.**

Date of Certification: 10th April 2023  
1<sup>st</sup> Surveillance Audit Due: 9th April 2024

2<sup>nd</sup> Surveillance Audit Due: 9th April 2025  
Certificate Expiry: 9th April 2026

**Certificate Number: 305023041033Q**



*Chamunda...*  
Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 305 days from date of the audit. (In case surveillance audit is not allowed to be conducted; this certificate shall be suspended / withdrawn)  
The Validity of this certificate can be verified at [www.qrocert.org](http://www.qrocert.org)  
This certificate of registration remains the property of QRO Certification LLP, and shall be returned immediately upon request.

India Office : QRO Certification LLP  
142, 1<sup>st</sup> Floor, Avtar Enclave, Near Paschim Vihar West Metro Station, Delhi-110063, (INDIA)  
Website : [www.qrocert.org](http://www.qrocert.org), E-mail : [info@qrocert.org](mailto:info@qrocert.org)

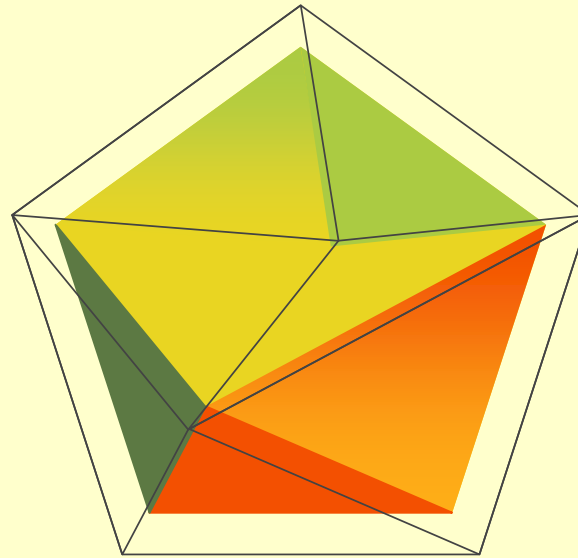
# *Hexagon Engineering and solution work on Asset-Light Model*

## **Optimisation of time**

Greater Management focus on next generation customer need and new offerings

## **Innovate**

Collaborate and Innovate with new resources as per market demand and new core capabilities



## **CAPEX**

Reduced initial Capital expenditure leading to competitive price

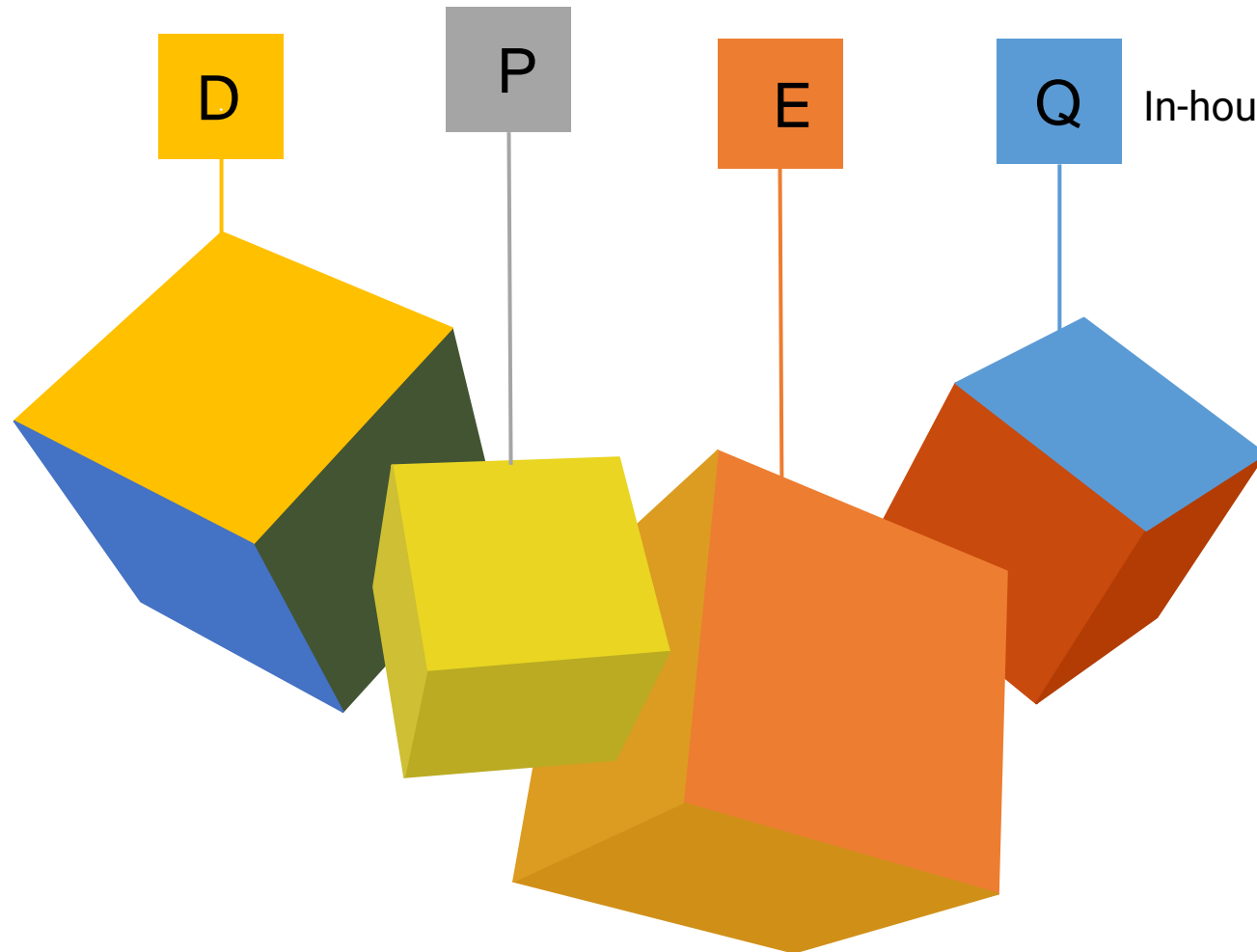
## **Asset Leveraged**

Opportunity to underwrite or reserve machineries or skilled manpower with Asset Heavy vendors as per the required fabrication and machining requirement

## **Cost-competitive**

Competitive cost to customer due to less operational expenditure

# ***In-House Capabilities***



## **Designer**

In-house Designer to understand and innovate as per customer's requirement

## **Planner**

In-house Planner to plan and schedule as per customer's requirement

## **Execution**

In-house technical Team for execution and co-ordination with vendors

## **Quality Check**

In-house team for quality check and Approval of the final product

# H

## Heavy Machineries

Stainless Steel structure fabrication work

Light Duty Fabrication work

Storage Tank fabrication work

Rolling of Mild Steel thick plates

Vertical Turning Lathe (3.5 Meter)

Horizontal Boring Machine

Small work Lathe Machine

Planner Machine, Shaper (36 Inch Stroke)

Plate Bending Machine

Profile Cutting Machine

# P

## Precision Machineries

Column Machining Centre (3 axis) – Bed Size:

6000x3000

TOS CNC Boring Machine (4 axis) -  $\Phi$ 130 Spindle, Bed

Size : 1600x1800

ATREMA CNC Double Column Machining Centre (3

axis) - 3.5X1.8m

PAMA Horizontal Boring Machine -  $\Phi$ 105 SPINDLE

TOS Floor type boring machine -  $\Phi$ 110 SPINDLE

WMW Horizontal Milling Machine - 2X2m

TOS PLANO Miller (2 Nos) - 5.5X2m and 5.5X2.6m



## List of Machineries of our Outsourced vendors

# MACHINERY & FABRICATION



**Fabrication  
facility of  
our  
vendors**





MACHINE	AWEA DOUBLE COLUMN VMC
CONTROL	FANUC
TABLE	6000 x 3000 mm
TRAVELS	6500 x 3300 x 1250 mm
SPINDLE	6000 RPM



MACHINE	AWEA DOUBLE COLUMN VMC
CONTROL	FANUC
TABLE	5000 x 2000 mm
TRAVELS	5200 x 2300 x 1000 mm
SPINDLE	6000 RPM



MACHINE	GLOBAL DOUBLE COLUMN VMC
CONTROL	FANUC
TABLE	2200 x 1000 mm
TRAVELS	2200 x 1000 x 1200 mm
SPINDLE	8000 RPM



MACHINE	ATREMA DOUBLE COLUMN VMC
CONTROL	FANUC
TABLE	3200 x 1700 mm
TRAVELS	3600 x 2000 mm
SPINDLE	4000 RPM



MACHINE	KURAKI CNC BORING (4 AXIS)
CONTROL	FANUC
TABLE	2000 x 1800 mm
TRAVELS	3000 x 2000 x 1500 mm
SPINDLE	6000 RPM



MACHINE	TOS CNC BORING
SPINDLE	130 mm
CONTROL	FANUC
TABLE	1600 X 1800 mm (ROTARY AXIS)
TRAVELS	2000 X 2000 X 1500 mm



MACHINE	DAHLIH HMC (DOUBLE PALLET)
CONTROL	FANUC
TABLE	980 x 980 mm
TRAVELS	1350 X 1000 X 1000 mm
SPINDLE	6000 RPM



MACHINE	TOS TABLE BORING
SPINDLE	110 mm
TABLE	1200 x 1200 mm (ROTARY AXIS)
TRAVELS	2000 X 1500 X 1000 mm



## Sheet Metal fabrication facilities:

- Sheet Metal Design and assembly
- Turret Punching: Bed Size – 1250x2500
- Forming Process – CNC Press brake
- CNC Laser Cutting: Bed Size – 6000x3000
- CNC Bending
- CNC Punching
- TIG/MIG welding Machine
- Sheet Metal parts Fabrication





## Finishing Process Facilities

- Electroplating
- Anodising
- Zinc Plating
- Abrasive Blasting (Sand Blasting)
- Laser Engraving
- Powder Coating
- Galvanizing

## In-House

- Chromating
- Painting



**Casting and Forging:**

Steel Alloy Casting

Aluminium Alloy Casting

**Composite Facilities:**

Carbon Fibre

Glass Fibre

**Metal Cutting Facilities:**

CNC Laser Cutting

CNC Plasma Machine

Waterjet cutting

Wire Cutting

**Heat Treatment Facilities:**

Annealing

Hardening

Quenching

Stress Releasing



➤ Vendor Inspection & Testing Facilities:

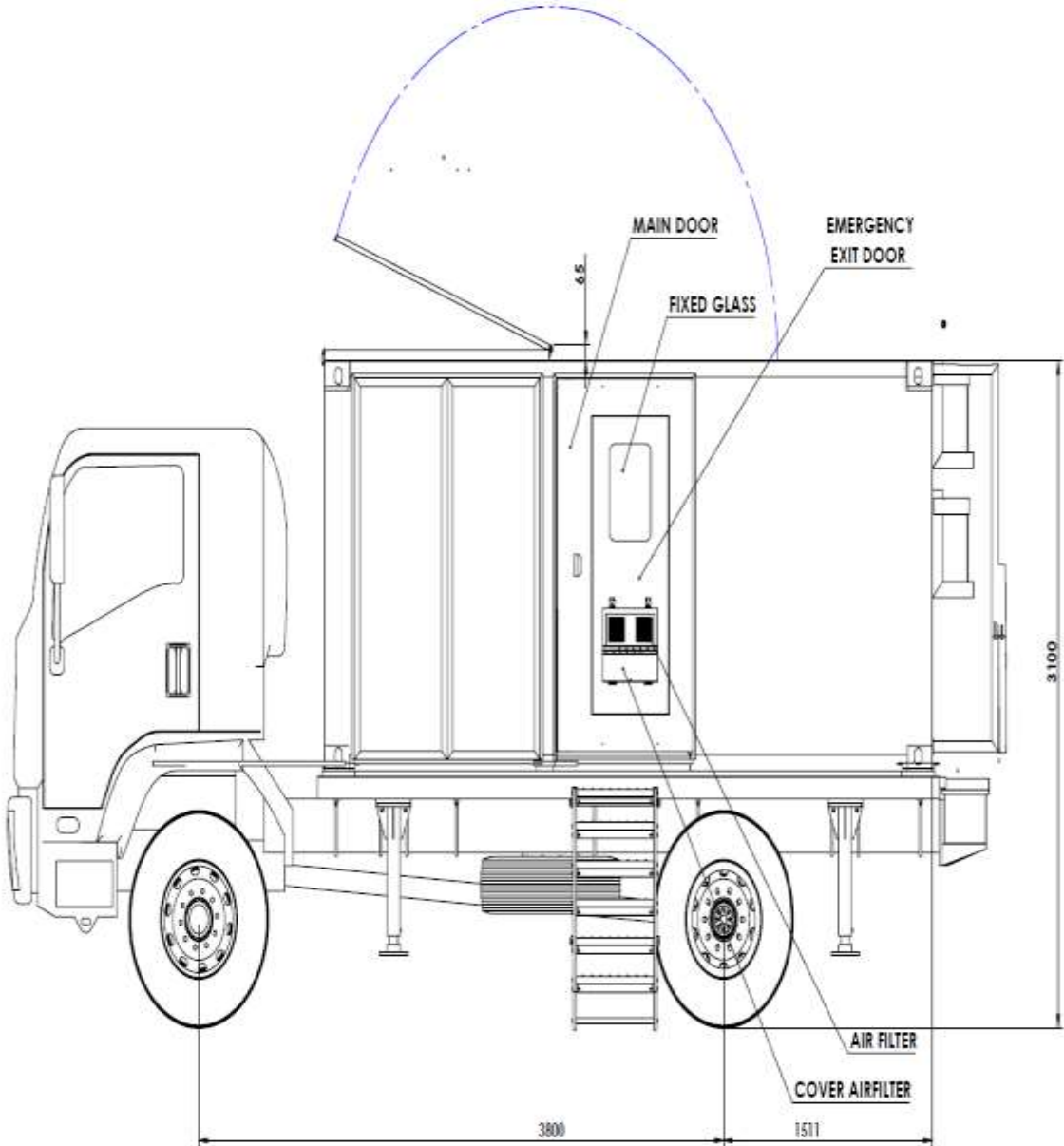
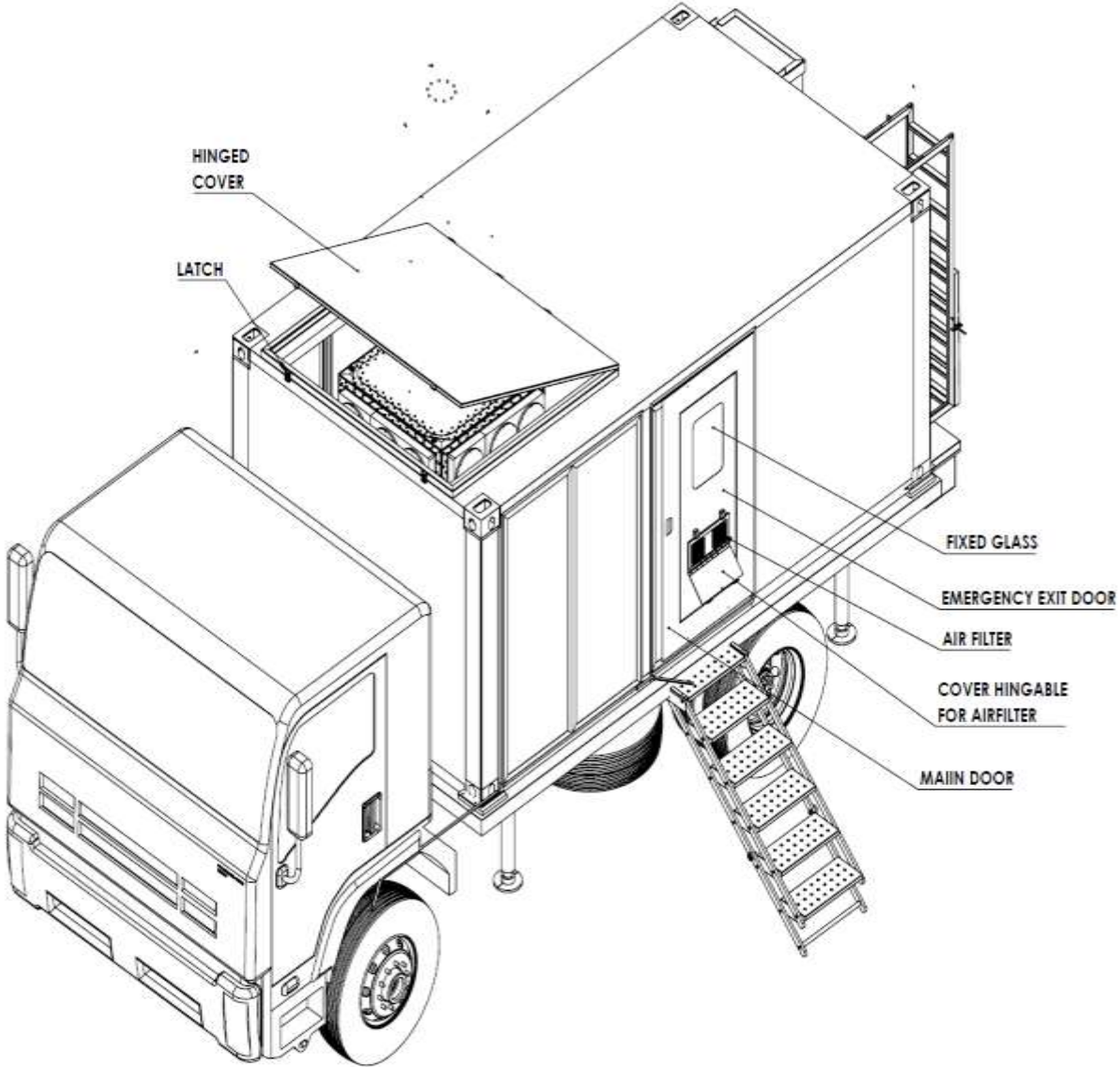
- Romer Arm/Ferro Arm Inspection
- Laser Tracker Inspection
- **In-House** Theodolite RMS Inspection
- CMM Inspection
- Mechanical Inspection
- NDT Welding Inspection
- Spectro Test of Material

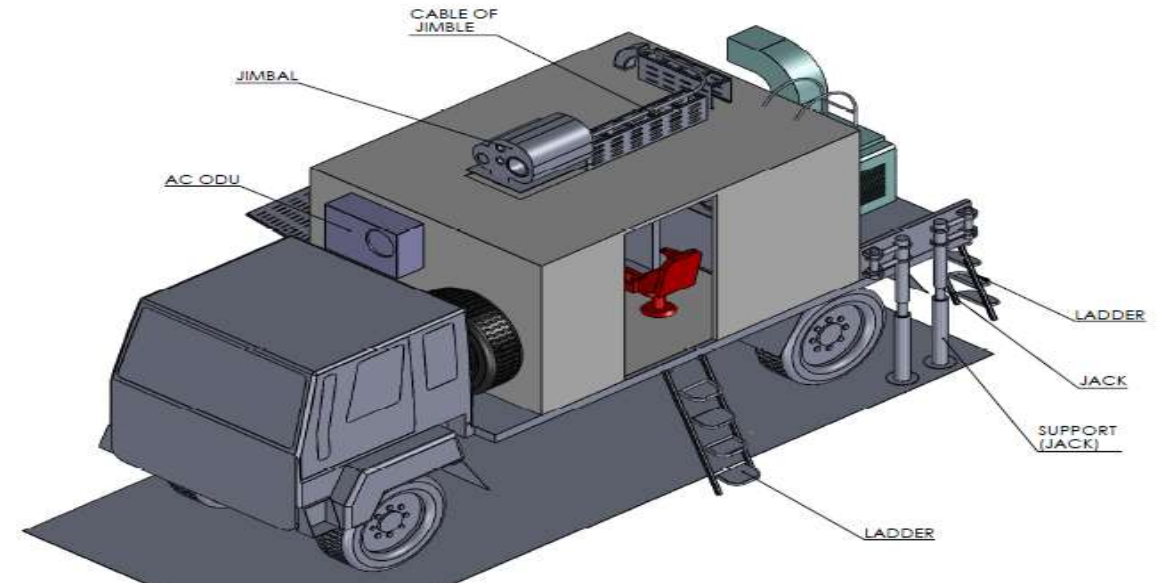
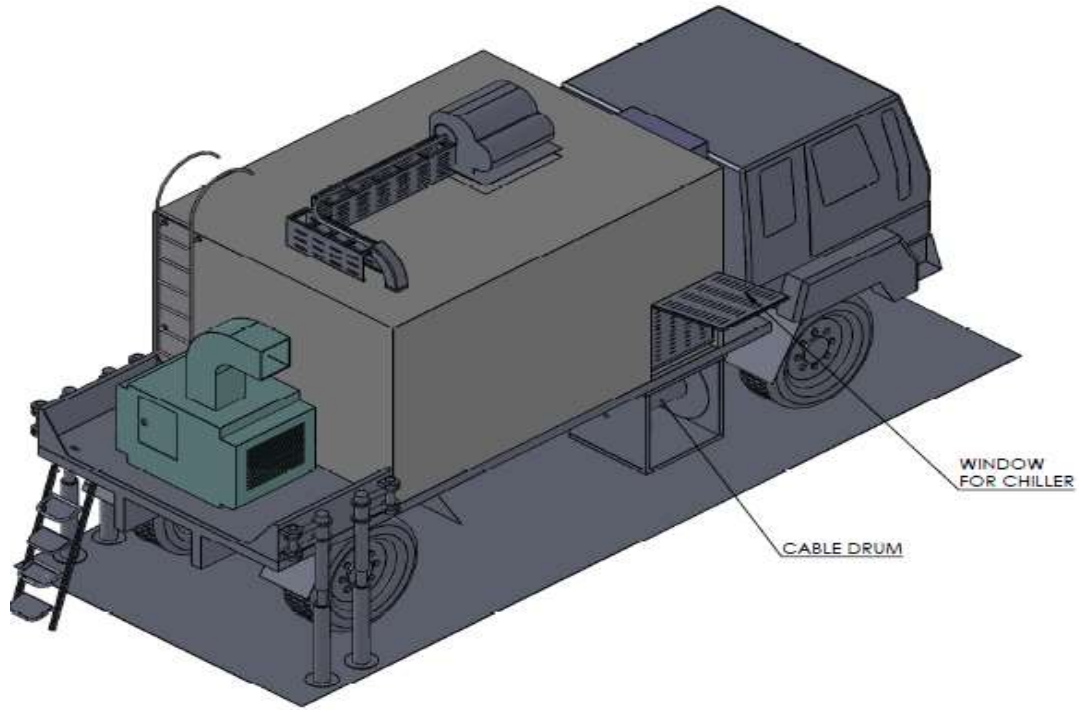
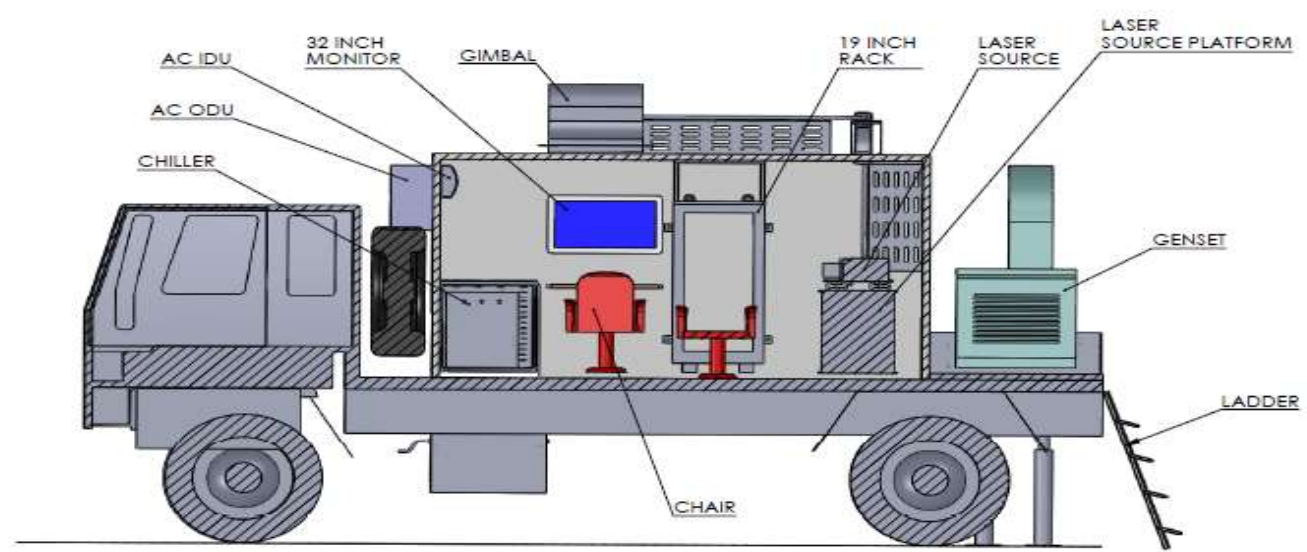
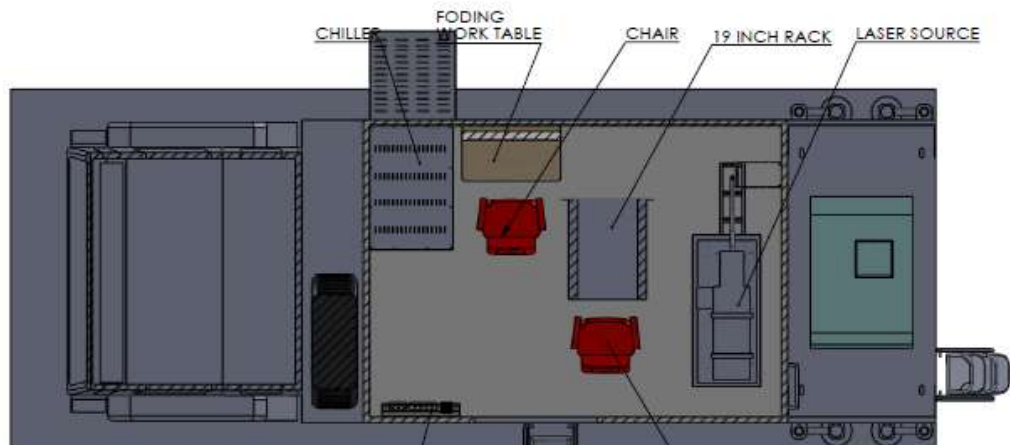




# *Design Capabilities*

***SHELTER ON VEHICLE FOR DEFENSE CUSTOMER (designed by Former Kunta Team,  
Now Hexagon Engineering & Solution)***

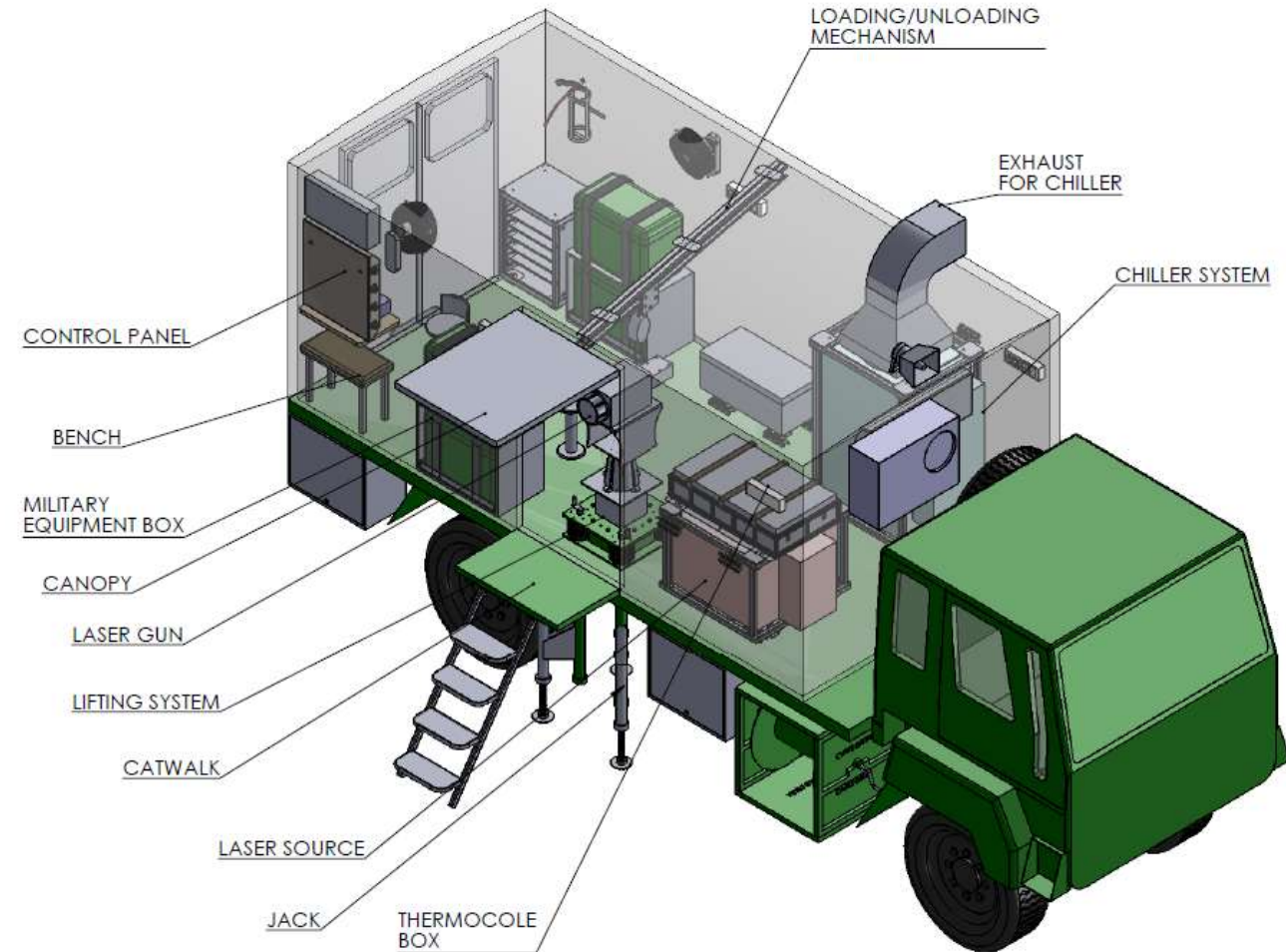
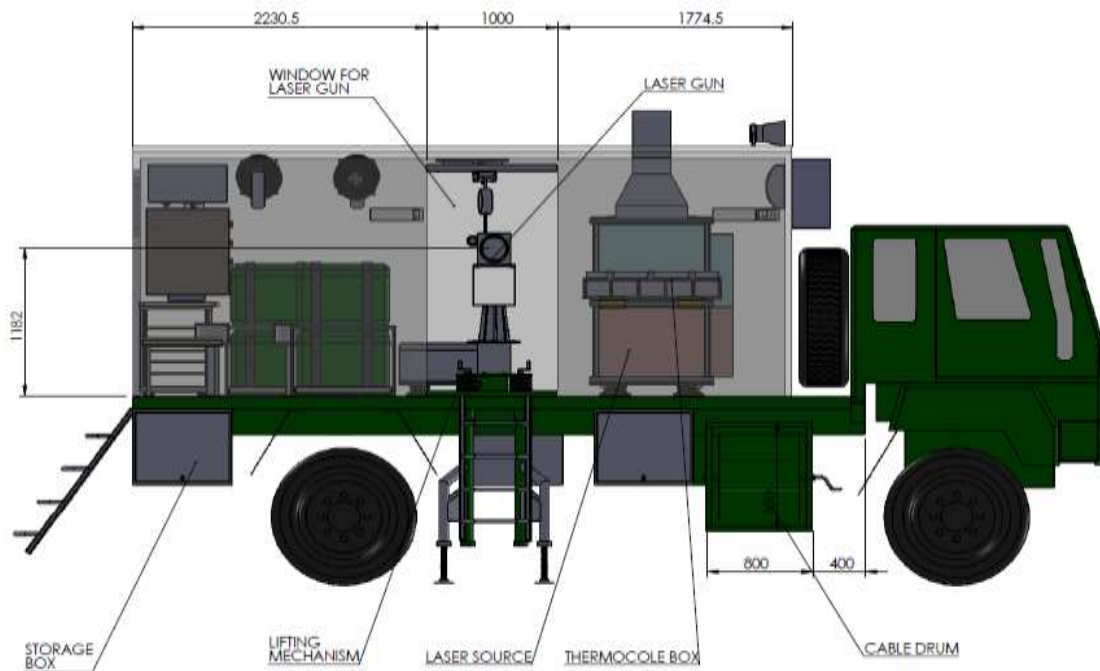
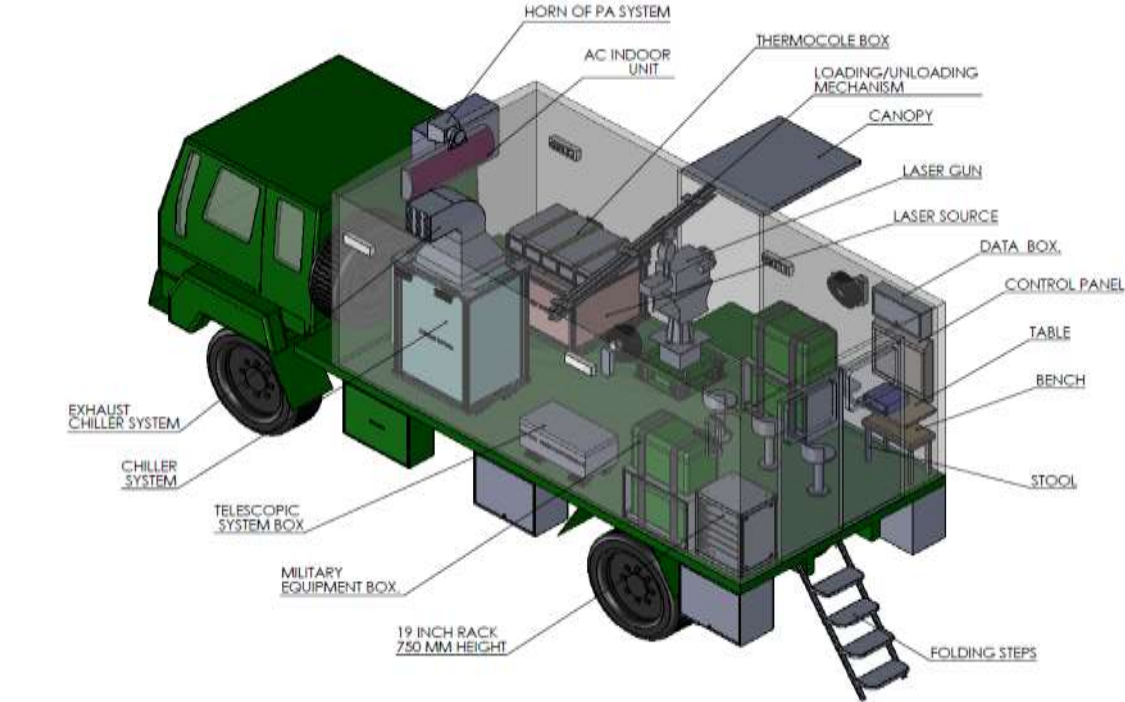


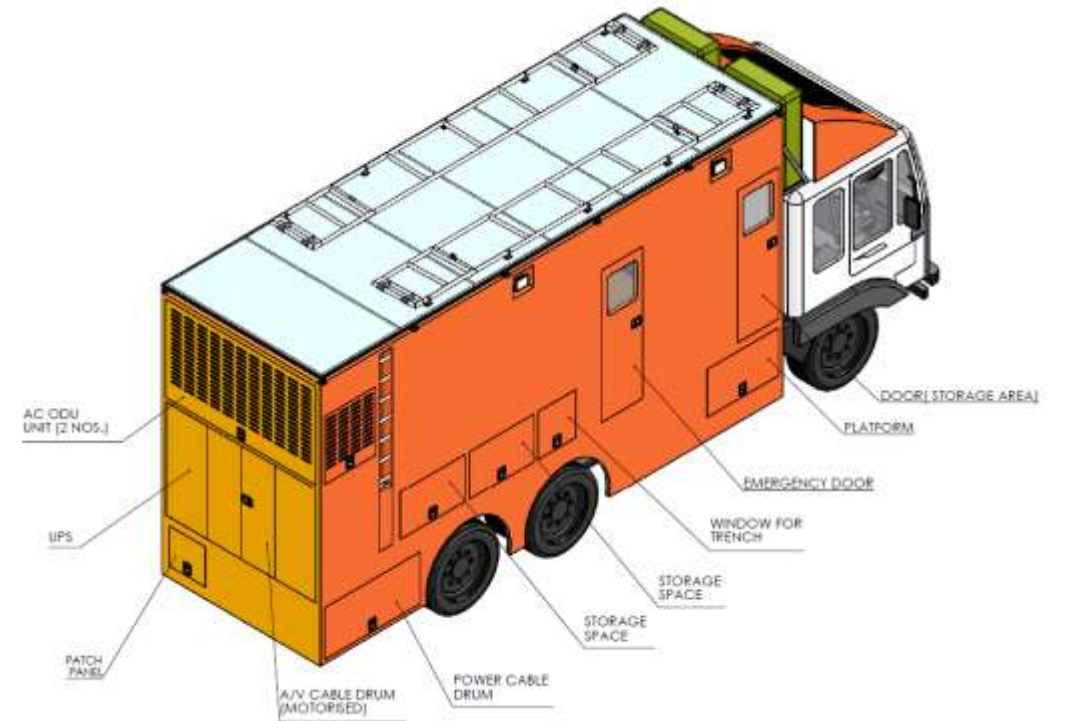
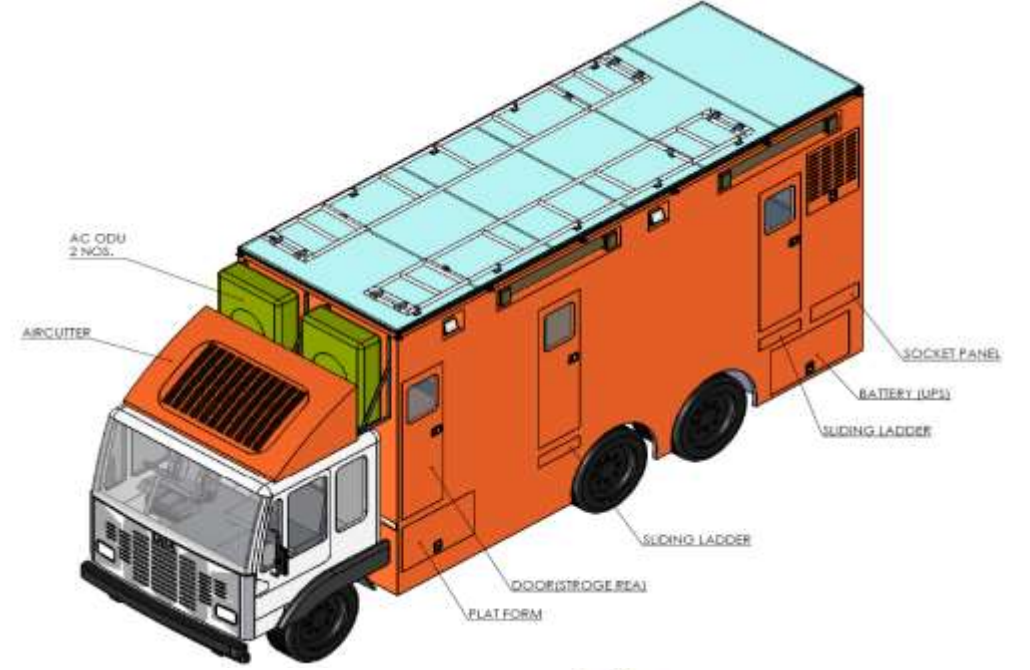
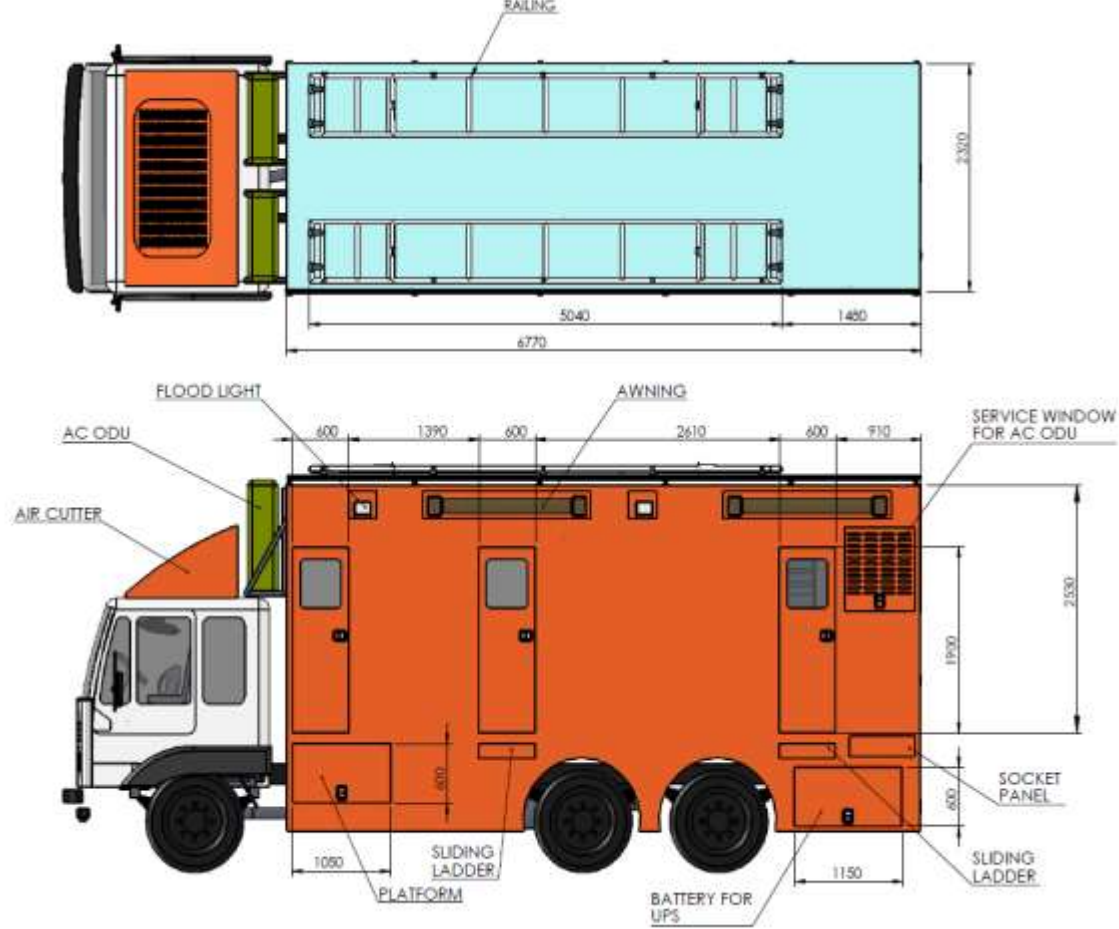


*DRDO Communication vehicle (designed by Former Kunta Team, Now Hexagon Engineering and Solution)*

# DRDO STALLION VEHICLE ASSEMBLY

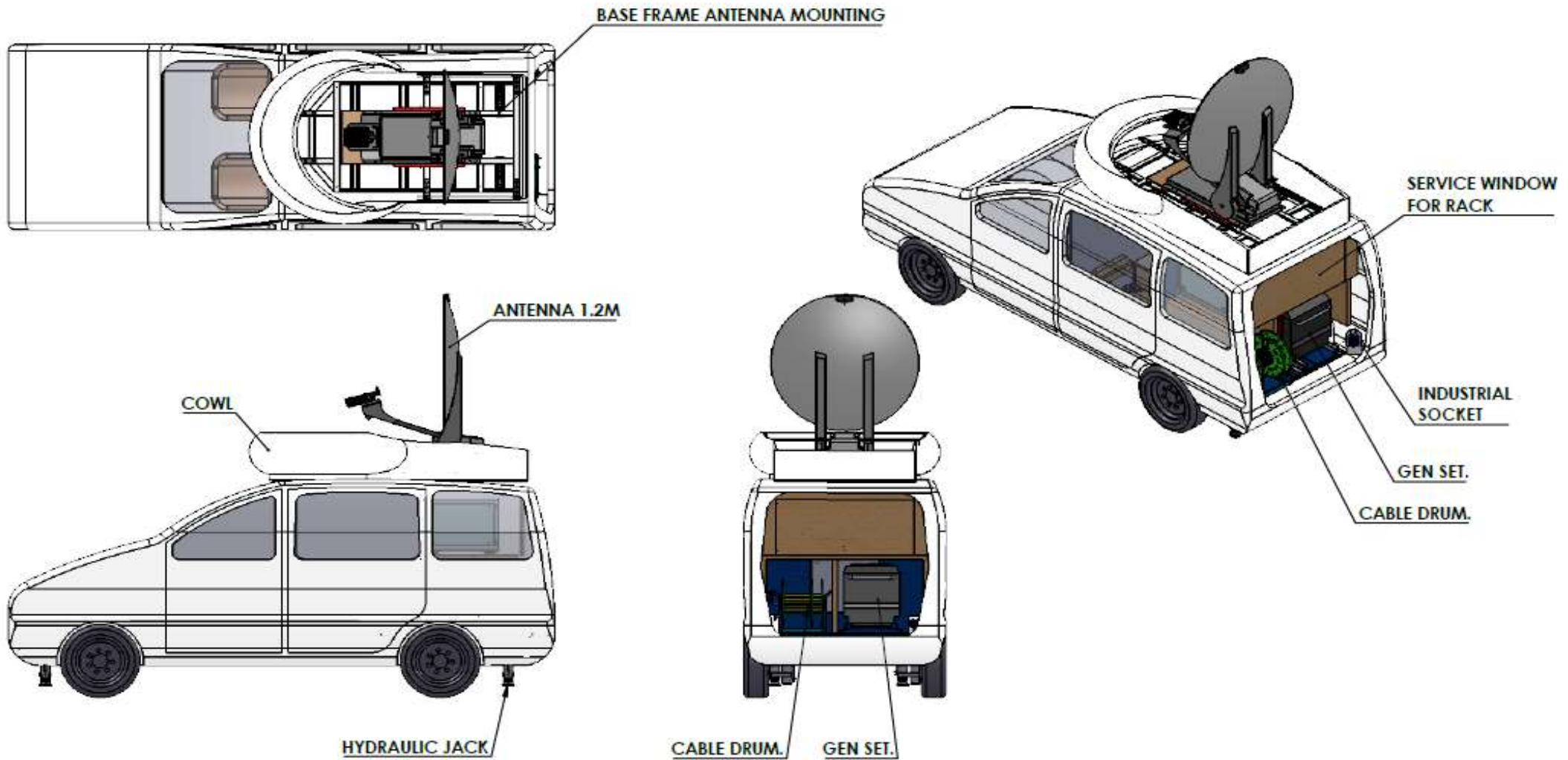
(designed by Former Kunta Team, Now Hexagon Engineering and Solution)



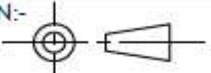


Doordarshan Vehicle fabrication (designed by Former Kunta Team, Now Hexagon Engineering and Solution)

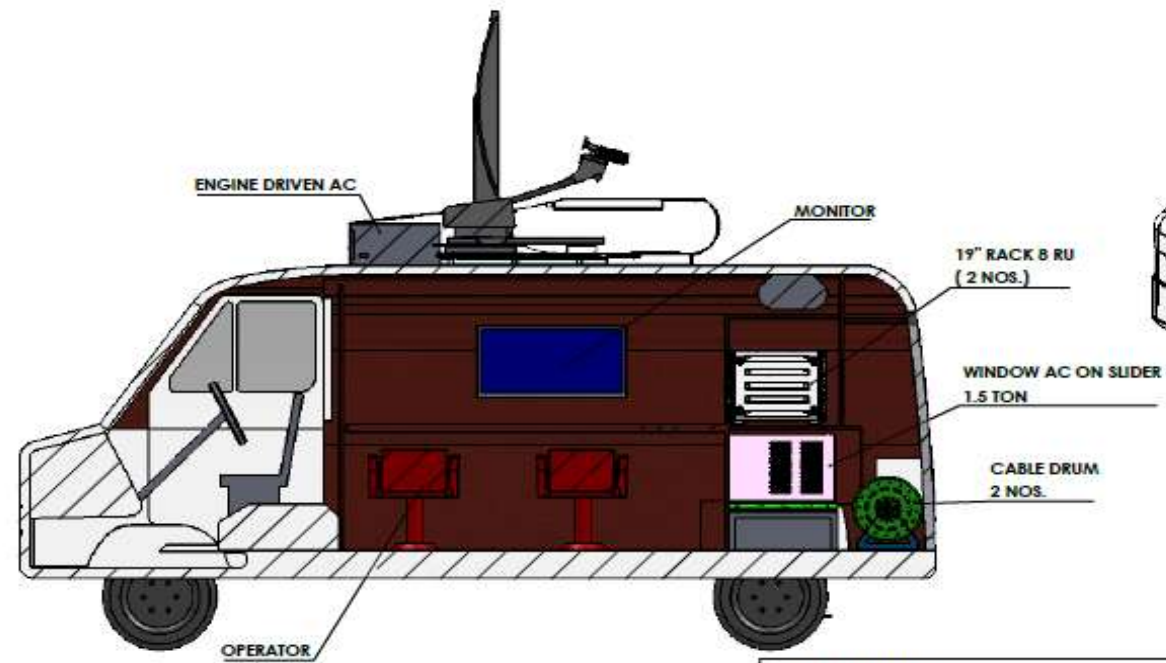
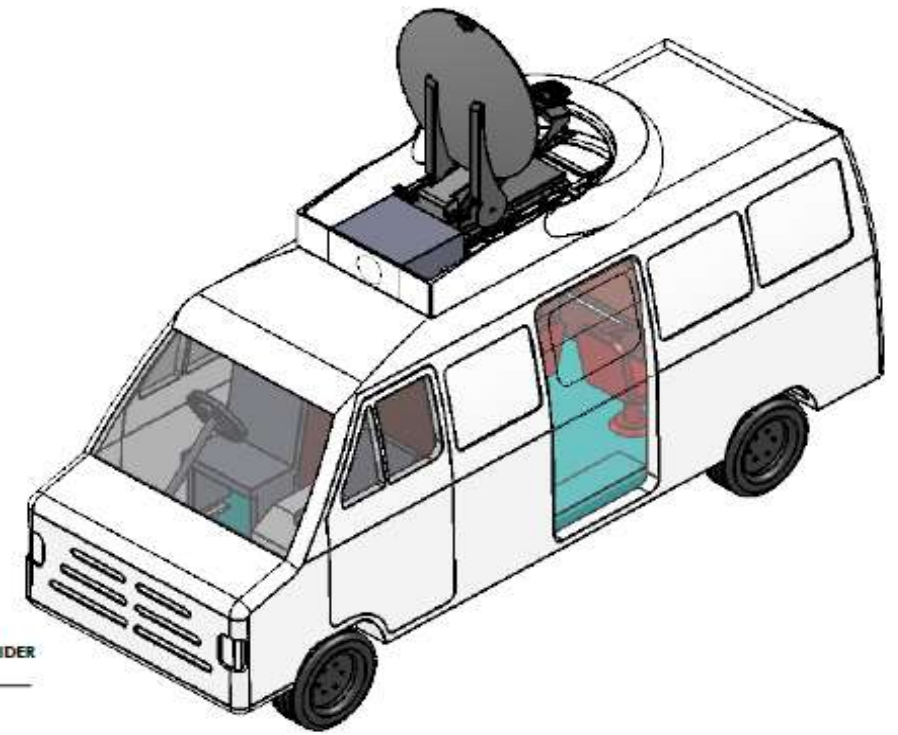
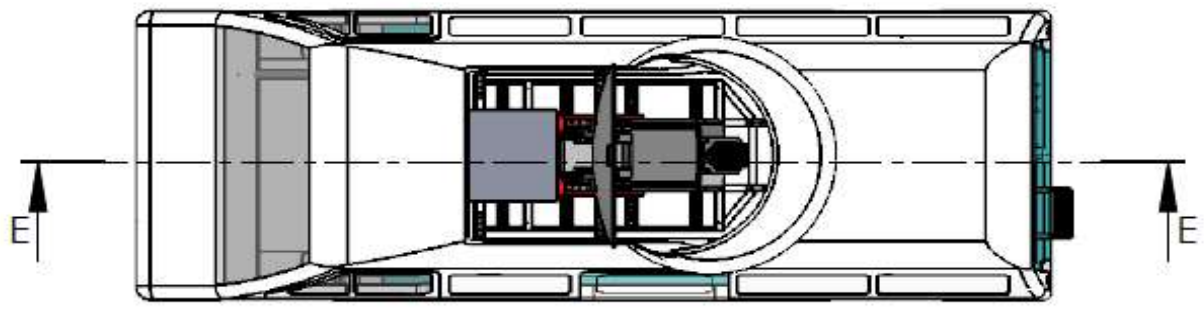




DSNG on  
 INNOVA  
 Designed  
 and  
 Proposed by  
 Hexagon  
 Engineering  
 & Solution  
 to its  
 customer

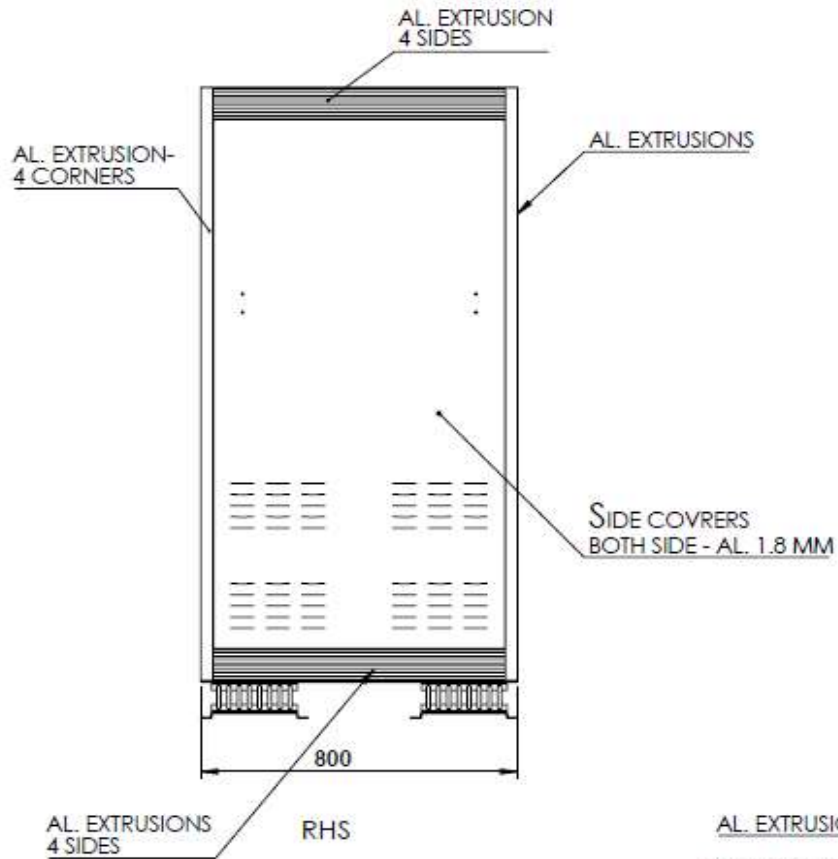
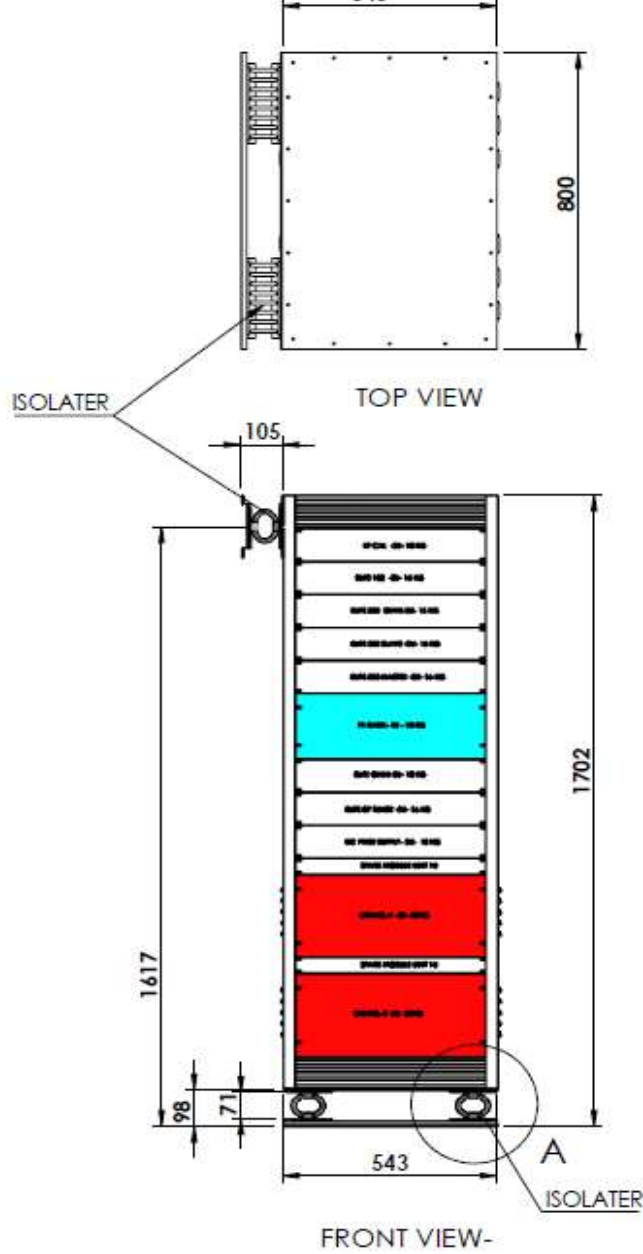
REVISION				FINISH:		PROJECT:-		ALL DIMENSION ARE IN MM													
<b>HEXAGON ENGINEERING &amp; SOLUTION</b> F-38, SITE- C, UPSIDC GREATER NOIDA 201308 (U.P.)INDIA				GEN.TOL. ±		QTY.-		PROJECTION:- 													
				TITLE: <b>DSNG ON INNOVA (PROPOSED DRAWING)</b>		DWG NO.		SIZE A4													
<table border="1"> <thead> <tr> <th></th> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>REV/D</td> <td>B N RATH</td> <td></td> <td>24/05/21</td> </tr> <tr> <td>APP/V/D</td> <td>N D PANDEY</td> <td></td> <td>24/05/21</td> </tr> </tbody> </table>					NAME	SIGNATURE	DATE	REV/D	B N RATH		24/05/21	APP/V/D	N D PANDEY		24/05/21	MATERIAL:		ISSUE		SHEET 1 OF 4 SCALE: NTS	
	NAME	SIGNATURE	DATE																		
REV/D	B N RATH		24/05/21																		
APP/V/D	N D PANDEY		24/05/21																		

DSNG on  
 TEMPO  
 TRAVELLER  
 Designed and  
 Proposed by  
 Hexagon  
 Engineering  
 & Solution to  
 its customer

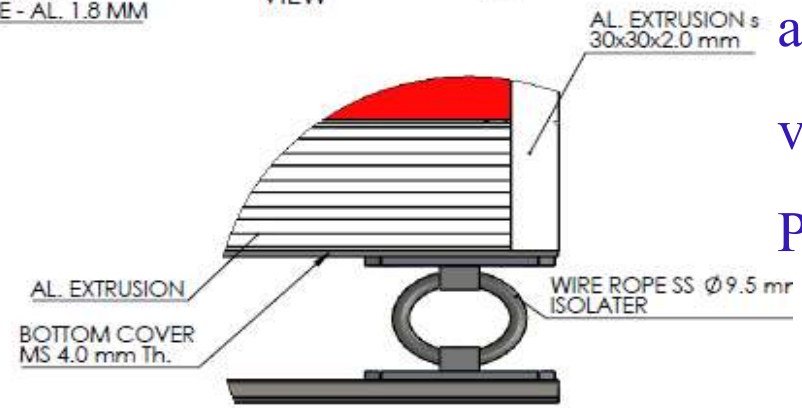
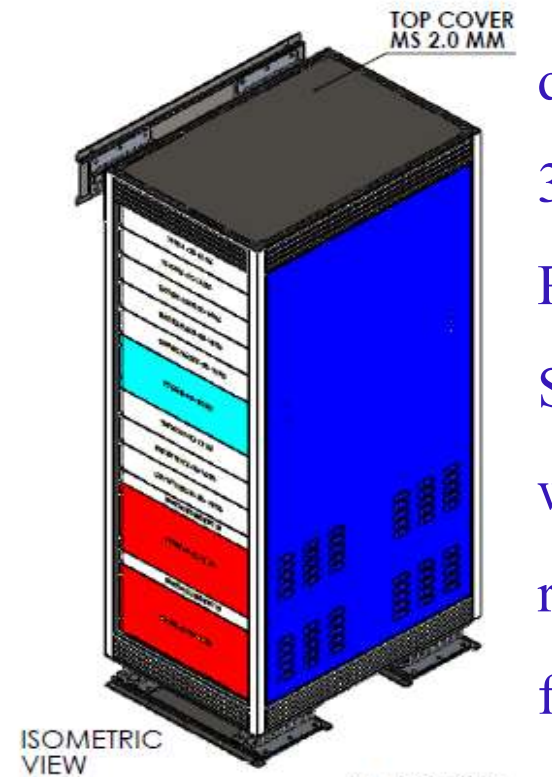


SECTION E-E  
 SCALE 1 : 50

REVISION				FINISH:	PROJECT:-	ALL DIMENSION ARE IN MM	
<b>HEXAGON ENGINEERING &amp; SOLUTION</b> F-38, SITE- C, UPSIDC GREATER NOIDA 201308 (U.P.)INDIA				GEN.TOL. ±0.5	QTY.-	PROJECTION:-	
				TITLE:		<b>DSNG ON TEMPO TRAVELLER</b>	
				MATERIAL:		DWG NO.	SIZE A4
REVID	B N RATH		21/05/21			ISSUE	SHEET 1 OF 1
APPVD	N D PANDEY		21/05/21			SCALE : NTS	



**32U RACK ALPS SHELTER VEHICLE**



Sample design of 32RU RACK for SHELTER with wire rope isolator for shock and vibration Proofing

**NOTE**

1. BOTTOM ISOLATER SIZE WR 12-200 QTY.-4 NOS.
2. TOP SIDE ISOLATER SIZE WR 12-300 QTY.- 2 NOS.



***Recently executed projects***



Designed & Created 19 numbers of DSNG for



**DOORDARSHAN NEWS**  
(Govt. of India)



Fabrication of DSNG on [EICHER Pro 2049](#) chassis



# MATERIALS



## DSNG RACKS MANUFACTURING

## DSNG CABLE DRUM MANUFACTURING





DSNG Equipment cabin fabrication

**VIDEO**



# DSNG Equipment cabin fabrication

**VIDEO**



## Outer Body of DSNG Fabrication & Painting



**DSNG Interior wooden , carpet & Electrical work**



**- Fabrication Continue ....**

DESIGNED & DEVELOPED BY:



## LAMHAS SATELLITE SERVICES LIMITED

TOWER NO. 1, 6TH FLOOR,  
INTERNATIONAL INFOTECH PARK  
ABOVE VASHI RLY STATION,  
VASHI, NAVI MUMBAI,  
MAHARASHTRA-400703  
PH : +91-8287699813  
Email : [response@lamhas.com](mailto:response@lamhas.com)  
Visit us : [www.lamhas.com](http://www.lamhas.com)



## HEXAGON ENGINEERING & SOLUTION

F-46, UPSIDC, SITE-C, SURAJPUR INDL. AREA  
GREATER NOIDA - 201308 (UP)  
PH : +91-9810800264, +91- 8287409226  
Email : [vc.gaur@hexagonengg.com](mailto:vc.gaur@hexagonengg.com)  
Visit us : [www.hexagonengineeringsolution.com](http://www.hexagonengineeringsolution.com)



**SPECIAL THANKS TO**



ONLY NEWS COMPLETE NEWS  
THE NATIONAL NEWS CHANNEL



Designed & Created 02 numbers of Power vehicle  
for



DOORDARSHAN NEWS  
(Govt. of India)





Fabrication of flatbed on [EICHER Pro 2075](#) chassis



**VIDEO**





# GENERATOR LOADING





# GENERATOR ON FLATBED





**POWER CONTROL PANEL**

**POWER CABLE**





DESIGNED & DEVELOPED BY:



**LAMHAS SATELLITE SERVICES LIMITED**

TOWER NO. 1, 6TH FLOOR,  
INTERNATIONAL INFOTECH PARK  
ABOVE VASHI RLY STATION,  
VASHI, NAVI MUMBAI,  
MAHARASHTRA-400703  
PH : +91-8287699813  
Email : [response@lamhas.com](mailto:response@lamhas.com)  
Visit us : [www.lamhas.com](http://www.lamhas.com)



**HEXAGON ENGINEERING & SOLUTION**

F-46, UPSIDC, SITE-C, SURAJPUR INDL. AREA  
GREATER NOIDA - 201308 (UP)  
PH : +91-9810800264, +91- 8287409226  
Email : [vc.gaur@hexagonengg.com](mailto:vc.gaur@hexagonengg.com)  
Visit us : [www.hexagonengineeringsolution.com](http://www.hexagonengineeringsolution.com)



**SPECIAL THANKS TO :**



ONLY NEWS COMPLETE NEWS  
THE NATIONAL NEWS CHANNEL

***Manufactured and supplied 8 Nos of 4.8M Cassegrain Ku-band antenna Reflector  
to Bharat Electronics Limited Ghaziabad in 2023***



## 4.8 Meter Antenna tools manufactured by Hexagon Team For BEL GHAZIABAD (Panel Assly Tool)



**4.8 Meter Antenna tools manufactured by Hexagon Team For BEL GHAZIABAD (Truss Welding Fixture)**



***In-house Designed, Manufactured and delivered OB VAN to Regional Channel in ORISSA***







*Revamping of some of the critical parts and Maintenance of this Defense Vehicle done in our Greater Noida Facility*





***Manufactured Parts for Passenger Boarding Aerobridge assembly for one of our customer for large Qty which will be deployed across many INDIAN Airports.***



# 10 Nos of SATCOM Communication Vehicle for STERLITE NAVY Project



**Shelters Manufactured by Former Kunta International Team (Now Hexagon Engineering) for**

**ADTL**



**SHELTER designed and  
manufactured for  
Railway**





## Design and Manufacture of Communication Vehicles for Défense customers by Kunta



*Design & Manufacturing of 5 Nos OB Van for  
Aastha Broadcasting by Viking Team and Kunta*





# AASTHA DSNG

Design & Developed by  
**OPTIMUM VIKING SATCOM**  
Visit us: [www.optimumviking.com](http://www.optimumviking.com)  
Email: [nc.gala@viking.com](mailto:nc.gala@viking.com)  
Phone: 098-11880264



*Design & Manufacturing of 2 Nos OB Van for Polimer TV by Viking Team and Kunta*





# THANK YOU!!!



<https://www.facebook.com/optimumvikingsatcoms>



<https://twitter.com/OptimumViking>