



EMPOWERING CONNECTIVITY

PROUD TO BE PART OF OUR
CUSTOMER'S SUCCESS



ADVANCE **CABLE**
TECHNOLOGIES (P) LTD

AN IATF 16949 CERTIFIED COMPANY

ABOUT US

- Started in 2004
- 3 facilities spanning over 300,000 Sq Ft in Bangalore
- Manpower – 600
- Led by a team of seasoned professionals with over two decades of experience in the wire and cable industry
- Diverse set of specialty solutions for various verticals including Telecom, Power, Automotive, Electric Vehicles



MISSION STATEMENT

Our mission is to deliver superior and dependable solutions of the highest quality, all at a competitive price, while unwaveringly prioritizing our customers' satisfaction. We remain committed to continuous innovation, while upholding a strong sense of responsibility towards our employees and the environment. Our aim is to become the preferred choice of our customers and establish a solid foundation for long-term relationships.

www.advancecable.in

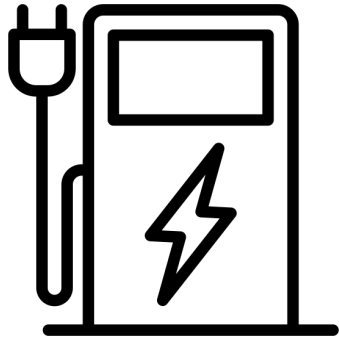


VALUES

- Continuously learn and improve to achieve world-class standards and total customer satisfaction
- Maintain high standards of integrity and safety
- Ensure positive culture and a common set of values throughout the organization
- Be a lean and responsive organization

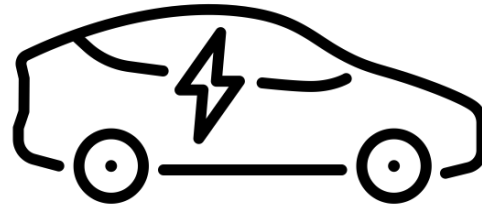


ELECTRIC VEHICLE CABLES



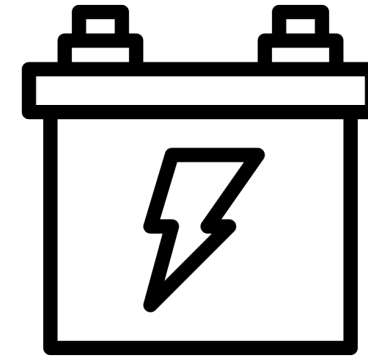
**Charging
Cable
Infrastructure**

- AC Charging Gun
- DC Charging Gun
- 2W and 3W- AC Indian plug or industrial



**Inside Vehicle
Cables**

- Motor to PDU
- PDU to Battery
- Inside PDU
- PDU to AC and DC inlet



**Battery
Packs**

- Very high flex battery linked cables
- IP67 rating for assembly
- Temperature rating of the cables – 125 C/ 150 C/ 180 C

WIRING HARNESS CAPABILITY



- Manufacture for 2-wheelers, 3-wheelers, 4-wheelers, commercial and off-highway vehicles
- Offer end-to-end solutions, encompassing product development, in-house design capabilities, engineering support, and after sales services
- Vertically integrated to offer manufacturing, testing ,validation of components and production engineering



E MOBILITY SOLUTIONS

CHARGING GUNS- STRAIGHT & COILED

- **DC Charging Gun GB/T**
 - 125 A ,200 A & 250 A
- **AC Charging Gun GB/T**
 - 16 A Single Phase
 - 16 A Three Phase
 - 32 A Single Phase
 - 32 A Three Phase
- **AC Charging Gun- IEC**
 - 16 A Single Phase
 - 16 A Three Phase
 - 32 A Single Phase
 - 32 A Three Phase
- **DC-CCS2- Combo Charging Gun- IEC**
 - 125 A and 200 A



Note :

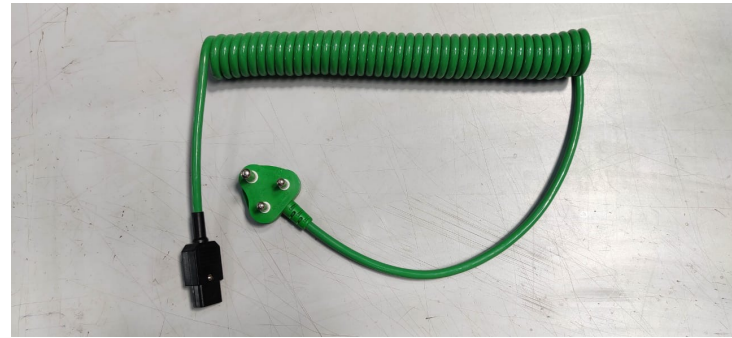
- We are supplying the above cables for 2 wheelers, 3 wheelers, passenger vehicles and commercial vehicles
- The cables can be made for temperature - 90, 105, 125, & 150 degree centigrade as per the requirement



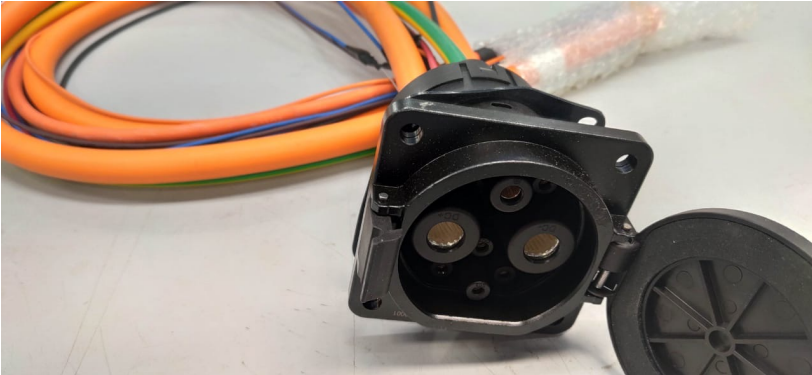
CHARGING INFRASTRUCTURE PRODUCTS



CHARGING INFRA PRODUCTS- 2W & 3W



INLETS



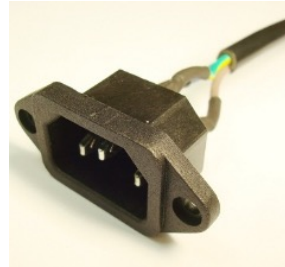
WIRING HARNESS ASSEMBLIES



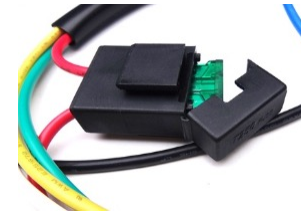
Wiring Harness Assembly



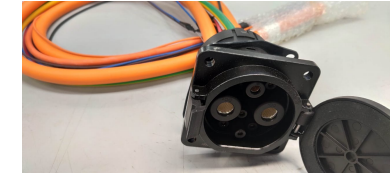
Charging Gun With Cable



AC Plug



Sensors



Molded Assemblies



Plugs for Interface with other devices



Coiled cable



Coiled Cables (Extensible)



DC Jack

- In-house technology to over mold all types of sensitive components.
- Part design, mold set design, mold fabrication, all done collaboratively with our customer



AUTOMOTIVE WIRES AND CABLES

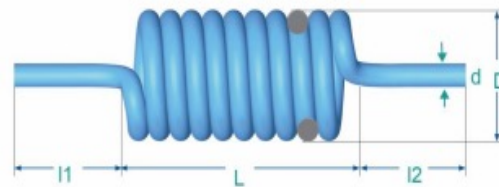


Battery Cables

- Being manufactured as per IS 2465 / ISO 6722.
- High Flexibility, Flame Retardant, Heat Resistant etc.
- **IS 2465** : (Temperature Range : -40°C to 105°C).
- **ISO 6722** : Class B- (Temperature Range : -40°C to 105°C).
Class C- (Temperature Range : -40°C to 125°C).
Class D- (Temperature Range : -40°C to 150°C).
- Bending radius 5D to 10D as per customer requirement.

SPIRAL / COILED CABLES

- Truck Tractor Applications.
- We have products ranging of 24V from 24N, 24S, Adaptor, EBS (7P), ABS (5P) etc.
- And SAE 52394 - 12V.
- EV Charging
- Earth Moving Equipment Sensors.
- Medical Equipments etc.



- L = Block Length in mm.
- l_1 & l_2 = End Length on either end in mm.
- d = Cable diameter in mm.
- D = Coiled Cable diameter in mm.

SENSOR CABLES

- For Braking Systems – ABS / EBS, Park Assist.
- Fuel Injection, Sensor Throttle, Wheel Speed Sensor .
- ABC (Active Body Control).
- Brake Wear Indicator.
- Sensor Cables for automatic regulation of head lamp leveling.
- Extension Cables for ABS systems on trucks and trailers.
- Temperature ranges from 80°C, 100°C, 105°C, 125°C, 150°C & 200°C.
- O₂ Sensor wires and cables.
- And Sensor cables for many more applications.



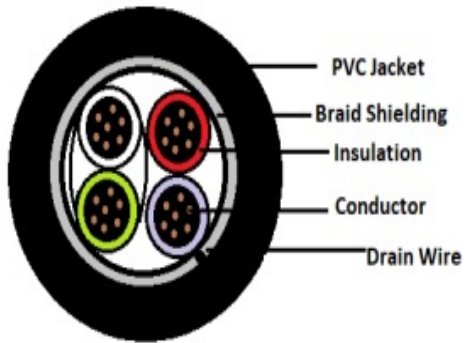


ANTENNA CABLES

- RG174
 - RG58
 - RG59 ...etc
- as per OEM Standards.

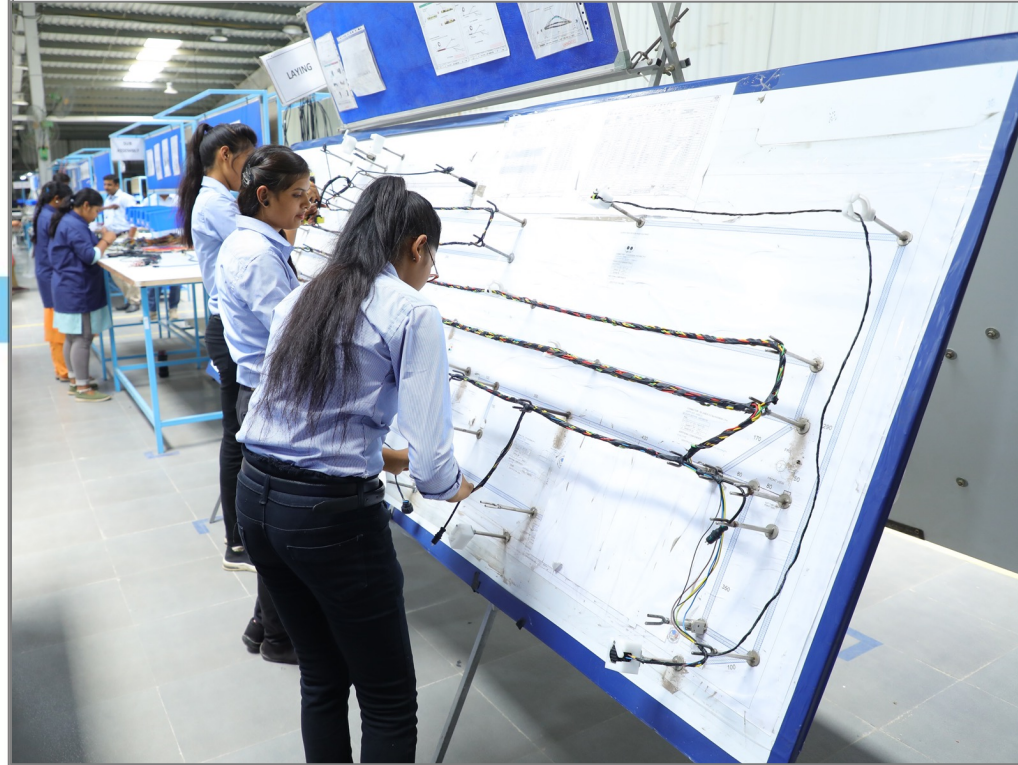


USB CABLES



- | | |
|-------------------|-------------------|
| • 1PX28 + 2C X 26 | • 1PX26 + 2C X 26 |
| 1PX28 + 2C X 24 | 1PX26 + 2C X 24 |
| 1PX28 + 2C X 22 | 1PX26 + 2C X 22 |
| 1PX28 + 2C X 20 | 1PX26 + 2C X 20 |
| • 1PX24 + 2C X 24 | • 1PX20 + 3C X 20 |
| 1PX24 + 2C X 22 | |
| 1PX24 + 2C X 20 | • 1PX24 + 3C X 20 |

- Halogen free Jackets or PVC Jackets with temperature ranges from 800C, 1050C & 1250C.



An
IATF16949
CERTIFIED
COMPANY

CE



ARAI
Progress through Research



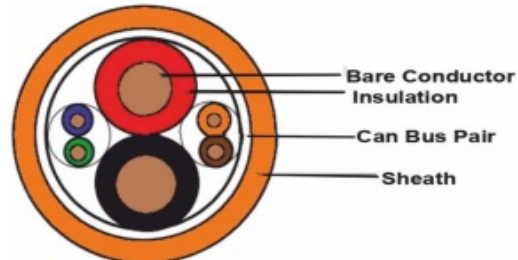
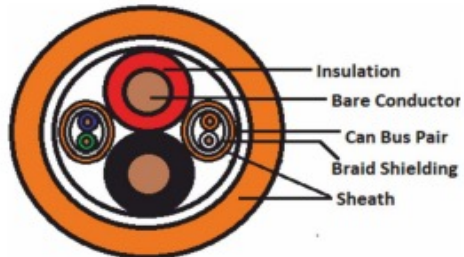
CHARGING CONNECTOR CABLES

AC Charging Gun Cables:

- AC to meet IEC 62196 – Type 2 standard.
- 3C X 2.5 Sqmm + 1 or 2 X 0.5 (16 Amps 1 Phase).
- 5C X 2.5 Sqmm + 1 or 2 X 0.5 (16 Amps 3 Phase).
- 3C X 6.0 Sqmm + 1 or 2 X 0.5 (32 Amps 1 Phase).
- 5C X 6.0 Sqmm + 1 or 2 X 0.5 (32 Amps 3 Phase).
- As per customer requirement.



COMPOSITE CABLES



- DC power (2.5 Sqmm to 95 Sqmm) + CAN bus (2 wires / 4 wires) + Signal Wire (1 wires to 25 wires).
- Applications for Two Wheeler, Three Wheeler, Passenger Vehicle & Commercial Vehicle.
- We can develop any complexed composite cable as per your requirement.

EV SHIELDED, UNSHIELDED & BATTERY CABLES

- We manufacture a wide range of both Shielded & Unshielded Cables of various sizes starting from 2.5 Sqmm to 120 Sqmm.
- Multicore Cables ranging from:- 2C x 4Sqmm, 3C x 2.5 Sqmm, 2C x 6Sqmm upto 2C x 10 Sqmm etc as per customer requirements.
- We offer either Annealed Bunched Copper / Annealed Tinned Copper depending on your requirement.
- Bending Radius of Cables varies from 4D to 8D.
- Cables are manufactured as per Standards Specs such as :- **ISO 6722 / ISO 19642** as per customer requirement.
- A wide range of temperature rated cables as shown below:

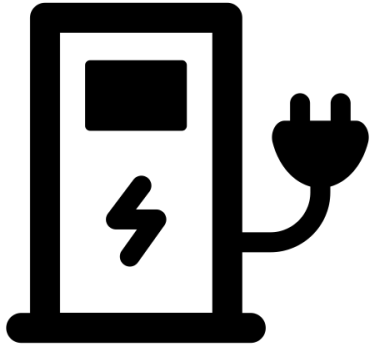
Temperature Range	Sheathing Polymers
105°C	PVC, TPE, XLPE / XLPO, TPU, Silicon, Teflon, Flouro Polymers..... etc wide range is available.
125°C	
150°C	
175°C	
200°C	
225°C	
250°C	



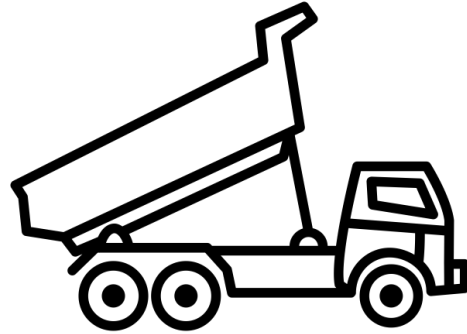
- Size of Cable & Material is chosen such as to meet your Temperature, Flexibility, Peak Current, Continuous Current & Bending Radius.



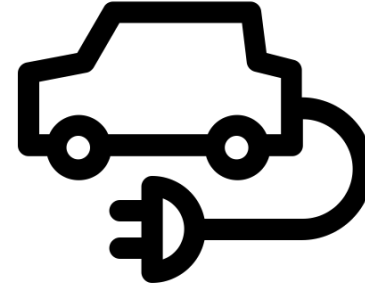
BUSINESS VERTICALS



Charging Stations



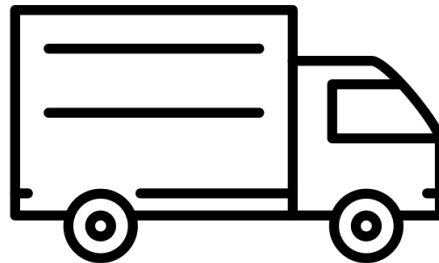
Off-Road Vehicles



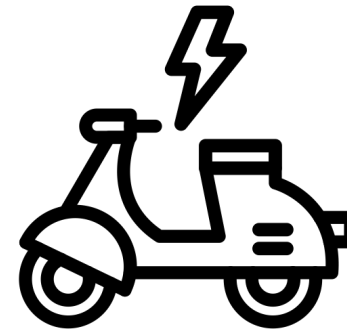
Automotive



Three-Wheeler



Commercial Vehicle



Two-Wheeler

PLANT INFORMATION



Machine Details

Machine Details	No. of Machines
No. of fix line	08
No. of C&C machines	03
No. of Manual crimping machines	18
No. of taping machine	02
Stripping machine (planned 1nos)	02
Sealing Machine (Planned)	01
Soldering line	03
Power strip machine	02

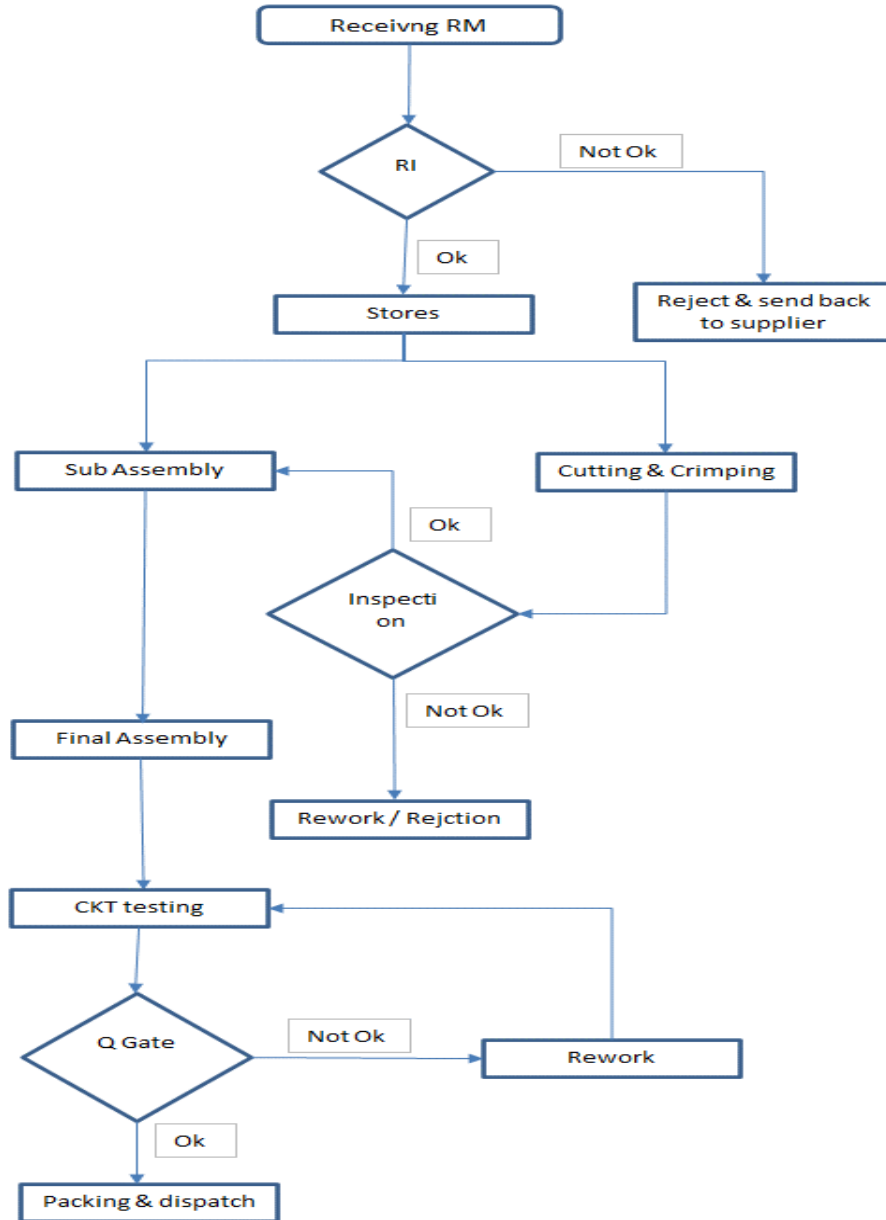
List of processes

Sl. No	Process Name
1	Cutting and Crimping
2	Manual Crimping
3	Joint Crimping
4	Taping
5	Soldering
6	Assembly
6	Circuit Inspection
7	Visual Inspection
8	Packing & Dispatch

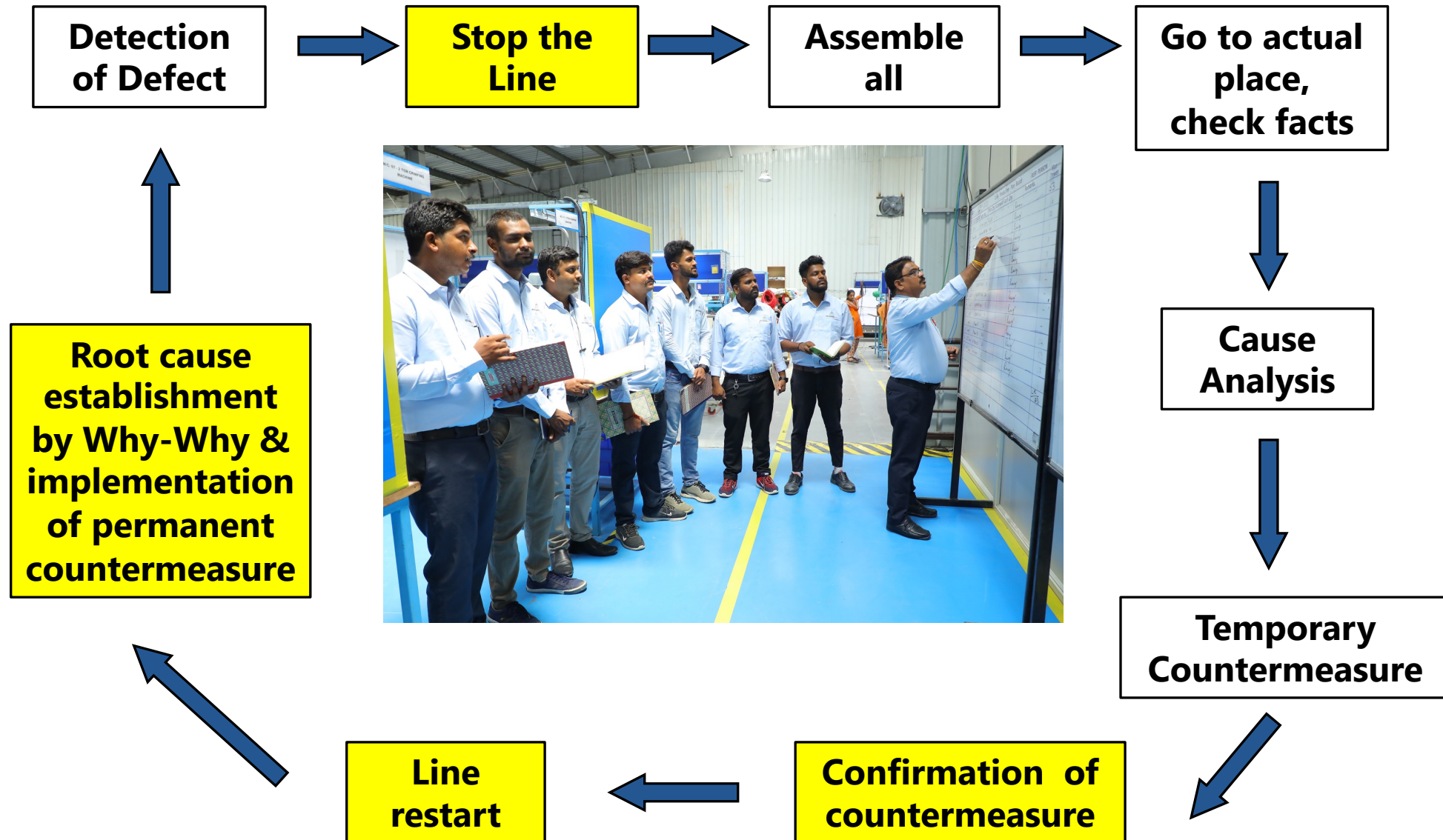
List of products

Sl. No	Products	Photo
1	2W EV W/H	
2	3W EV WH	
3	4W EV WH	
4	Battery cable	
5	Earthmoving equipment's & Other	

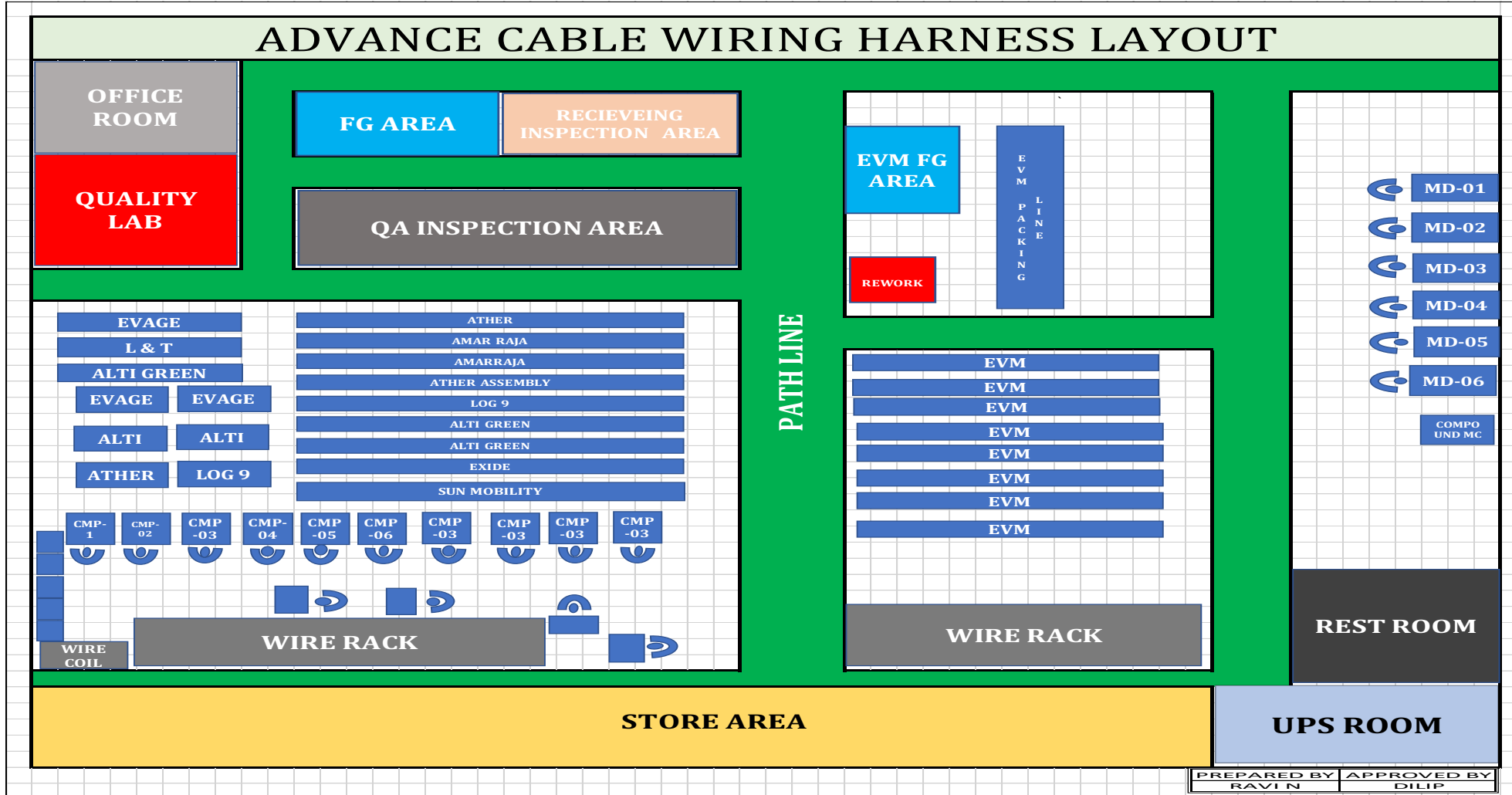
WIRING HARNESS PROCESS FLOW



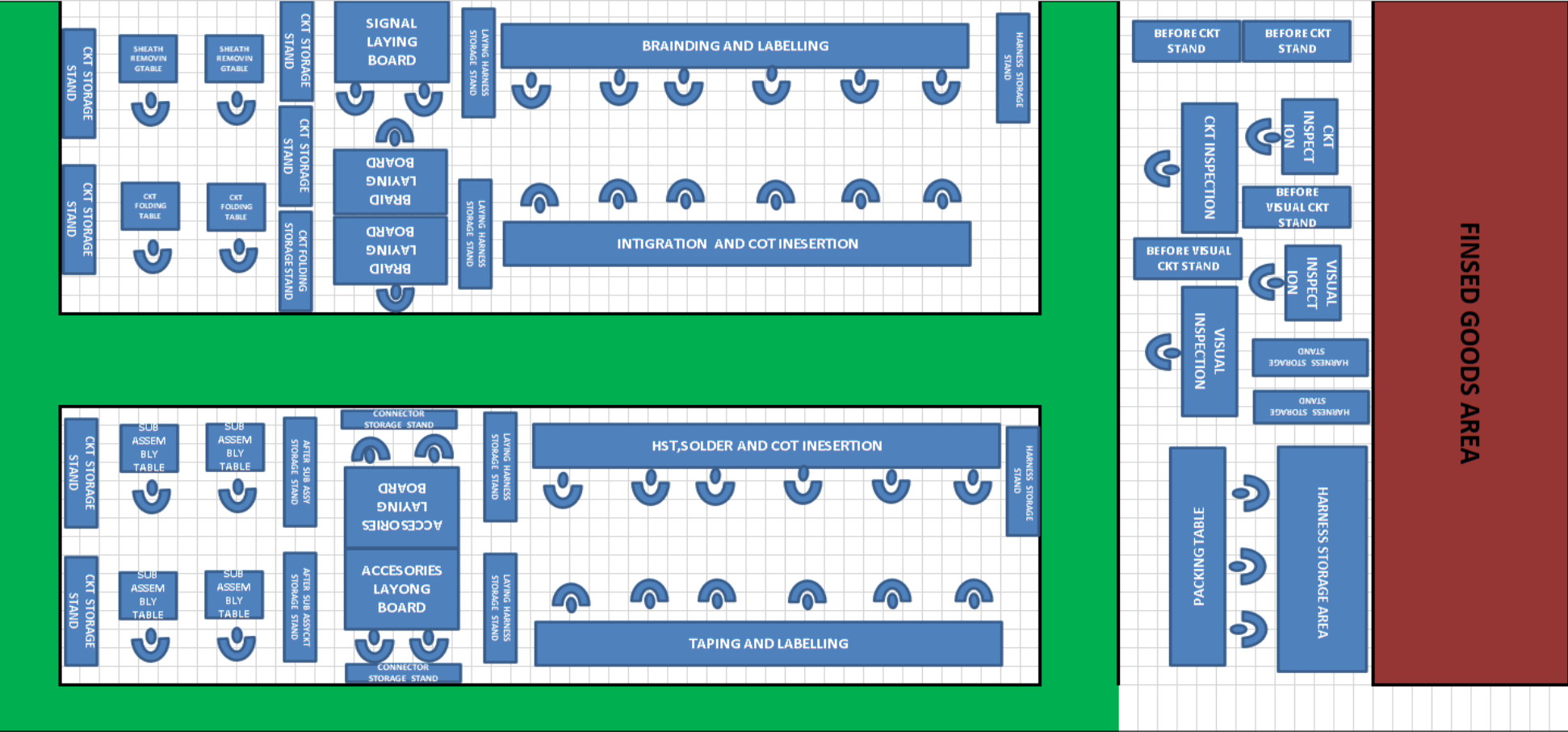
QUALITY CONTROL- ANDON SYSTEM



CURRENT FACILITY LAYOUT



FACILITY EXPANSION PLAN



EXPERIENCE AND CERTIFICATIONS



- **BIS – IS 694, IS 1554, IS 7098, IS 1293, IS 2465**
- **UL – 25 styles are UL listed**
- **TUV – EN 50618 for solar cables and EN 50525 for Harmonised cables HO5V2V2-f and HO5VV-f**
- **ARAI – for Automotive wires as per ISO6722 and cables as per ISO 19642**



OUR VALUABLE CUSTOMERS



AMARA RAJA
Gotta be a better way





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