

With over 40 years of experience Hall's Electrical Ltd has steadily grown to become the largest Auto Electrical Services provider in the UK.

# Vehicle Conversions

## A Sample of our recent conversion:

### 1. Car

- Volvo V90 - Police Demonstrator
- BMW 5 series – Operational Support and Evaluation Vehicle
- Skoda Octavia - SWAST RRV

### 2. 4x4 Off road

- Amorok – Storage Solution
- Skoda – Ambulance Rapid Response
- Volvo XC90 - Air Ambulance
- Jeep - Airport Fire Response Vehicle

### 3. LCV

- Renault Master – DOHSC Covid Screening vehicle
- Ford Transit – Public Sector Estates management
- Merc Sprinter – Mobile Post Office

### 4. ATV / Hook loader

- Polaris and Transportation unit

### 5. EV's

- Tesla – Police Demo
- I3's – Speedy Skips
- XC40 Recharge - BEV
- ID3 - Emergency services evaluation

**3 Years Warranty on Most Parts & Services**

# About Us

Hall's Electrical Ltd have been a one stop shop for vehicle conversions for over 40 years and are well known for providing ultra-high quality vehicle conversion solutions coupled with unrivalled after care via our 24/7/365 days a year service department.

We cater for ALL TYPES of vehicle conversions and have the experience and expertise Required to provide both innovative and cost effective converted vehicles to our customers. We have supplied some high profile conversion services for large fleet of vehicles that have catered for the Olympics and more recently Covid 19 screening and vaccination for the Department of Health and Social care...

We are approved converters for Volvo Car UK, Volkswagen Group UK, BMW UK, Jaguar Land Rover, Toyota GB, Suzuki & Honda and can provide a one stop shop service to include the base vehicle and conversion through some of these manufacturers directly.

We supply fleets of vehicles to the likes of:

UK Police, UK Ambulance, both NHS & Private, UK Fire and Rescue Service, Central Government and Local Government Departments, Network rail, Hitachi Capital, Rivus fleet solutions, to name a few.

We also cater for small fleets and one off builds for the general public including Florists, glazing, Dog handling, Utilities, Plumbers, Electricians and more.

Halls Electrical are the market leader in the conversion and installation of additional equipment in to Battery Electric Vehicles and Hybrid vehicles

We have designated Electric vehicle bays and all staff are trained to the manufacturers required levels to achieve the correct accreditations for working on these types of vehicles.

Throughout the pandemic Hall's electrical ltd have had to complete several large scale fleet conversions and have had to keep production open 7 days a week sometimes day and night!!

We supply and fit products and services such as:

1. Body conversions, floor, side lining and head lining
2. Racking and storage solutions
3. Cash or valuable items storage solutions
4. Auxiliary Power and Power management (both AC and DC)
5. Livery and signage solutions
6. All forms of mobile communications
7. Telematics
8. CCTV and ANPR
9. High Security Storage Units, deadlocks and slam locks
10. Tail lifts and other vehicle access ramps and lifts

To name but a few...

We work closely with our customers to design the perfect vehicle conversion Always ensuring that the vehicle is cost effective and 100% compliant.

Our conversions include:

1. 3D CAD schematics
2. Wiring Schematics
3. 100% compliance for type approval or other testing
4. 3 year customer site warranty
5. 24/7/365 day a year support for service maintenance or warranty

With a 24 hour maximum response time.

If you would like your vehicle or fleet of vehicles converted by an approved

Company and then supported by the company that provided the conversion (us) to an ultra-high and compliant standard, please contact Hall's Electrical Ltd today.

# Volvo V90 Police Demonstrator

Hall's Electrical work closely with its customers and vehicle operators to provide continual improvements and innovation.

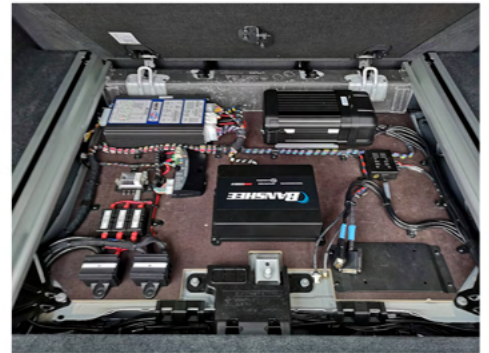
This cutting edge Volvo V90 Police demonstrator has all the controls built into the manufacturers vehicle screen negating the need to clutter the dash and cause confusion for operators. Also see our bespoke lightweight composite storage solution in the rear, reducing weight and emissions while helping to reduce fuel usage while not in blue light operation.



# BMW 5 Series - Operational Support & Evaluation Vehicle

As an Approved converter to BMW UK , Halls Electrical have been tasked for many years to provide operational vehicle conversion to BMWs Government and Authorities division.

These vehicles closely replicate operational roads policing and armed response units and are used not only to evaluate the vehicle but to also provide additional assets to the UKs Police forces when and where required.



# Skoda Octavia - SWAST RRV

Halls Electrical have converted over 200 rapid response vehicle for South West Ambulance service NHS Trust in the last 10 years

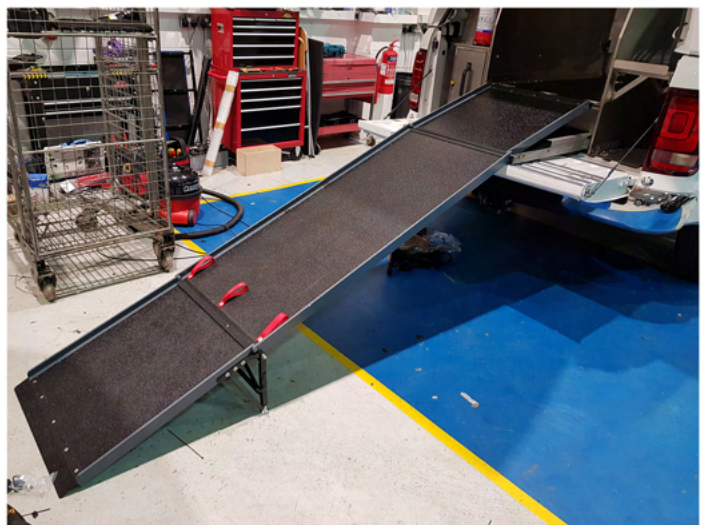
The latest variant being the Skoda Octavia Scout



# VW Amorok - Bespoke storage and access solutions

Hall's Electrical provide both large scale vehicle conversions and also bespoke solutions that have been tailored exactly to the customers' needs and requirements.

This is an example of a bespoke design, manufacture and installation of rear storage solution in a large 4 x4 type vehicle to include rear ramp and side access shelving.



# Skoda - Ambulance Specification Rapid Response Vehicle

Based on the Skoda Kodiaq a full replacement rear interior was designed and manufactured with wipe clean surfaces to meet infection control criteria. The vehicle also has a stretcher bearing capability.



# Volvo XC90 - Air Ambulance Ground Support

Hall's Electrical Ltd supply vehicle conversion and ongoing support for Police, Ambulance and Fire including out of the ordinary and bespoke applications such as an Air Ambulance.

Base on a large 4x4 this type of conversion allows the transfer of all clinical equipment from the Aircraft to vehicle and to enable ease of access of deployment at scene of the lifesaving clinical equipment by the use of a completely bespoke slide out storage unit.





# Jeep - Airport Fire Response Vehicle



Tasked with ensuring the most important role airside was achieved within the required timescales whilst utilising all forms of incident communication , We have created this Fire response vehicle.



# Renault Master - DOHSC Covid Screening Vehicle

Against All Odds!

Between the end of 2020 and the start of 2021 Hall's played a major role in a high profile urgent and large scale vehicle conversion that many said "couldn't be done". Working directly for a long standing customer of Hall's Electrical and now one of the UK's largest vehicle converters TGS Hall's provided Auto and AC Electrical design installation and ongoing support services and maintenance for the department of health and social care.

This was a record breaking project and required 500 Renault Master vans to be fully converted for Mobile COVID-19 screening.

The team only had a 3 month window resulting in the need to convert up to 70 vehicles per week! Hall's worked closely with some long standing partners and met what the industry thought to be "An impossible deadline".

The Hall's team worked 7 days a week most weeks starting early and finishing late with all involved working together to achieve an almost impossible Target. Congratulations to prime contractor TGS and other supporting companies that played a major role. This conversion will always be one of note at Hall's Electrical Ltd.

We supply and fit products and service such as:

1. Power management (both AC and DC)
2. Racking and storage solutions
3. Livery, signage and full vehicle wraps
4. All forms of mobile communication
5. Telematics
6. CCTV and ANPR
7. High Security Storage Units.
8. Ply or Plastic lining, Floors and bespoke head linings.
9. Tail Lifts and Ramps
10. Lifting equipment - vehicle mounted



Hall's Electrical Ltd are the largest specialist Auto Electrical company in the UK. Now offering a 1 stop shop solution providing full Car, LCV and HGV conversion services.

All of our conversions include a 3 year warranty, full certification and type approval where necessary. Our large in house mobile service team and 24/7 call out service department provide unrivalled support for your vehicle once its life begins and are here to help in person or by phone and email.



# Ford Transit - Public Sector Estates Maintenance Vehicles

Many Public sector organisations, Local Authority, Utilities, Police, Ambulance and Fire require LCV's for management of their own premises or for management of public areas.

Based on a Ford Transit Hall's Electrical Ltd have converted this vehicle to include

1. Lining – Roof, Floor and sides
2. Racking
3. Load locks
4. Secure tool storage vault
5. Spring loaded cargo storage poles
6. Deadlocks
7. Additional Lighting – Interior and Exterior
8. Rear step, reverse sensors and tow bar
9. Flettner roof vent
10. Power management – Inverter, split charge and Auxiliary battery bank
11. Sanitation
12. Handsfree

Hall's Electrical Ltd providing bespoke vehicle conversion services for its customers and ongoing support services via its own in house Mobile service department.



# Merc. Sprinter - Post Office

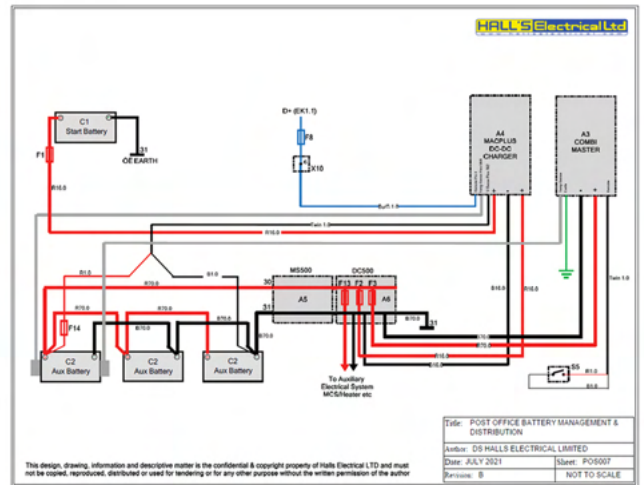
Post Office operate a large fleet of Mobile Post Office vehicles to service hard to reach and rural areas where a Post Office branch is not feasible.

In early 2021 Hall's Electrical Ltd were selected by Rivus fleet solutions and Post Office to provide a one stop shop solution to build a fleet of new Mercedes Sprinter Mobile Post office vehicles.

The customer requirement was to replicate a Post Office branch where the operator can perform services to the public which would be performed in a conventional branch.

A high spec 3.5tonne Mercedes Sprinter van was selected as the base vehicle and in order for the Post Master to provide these services Hall's Electrical Ltd have converted the vehicle fleet to include the following items.

1. Post Office counter, cabinets and storage as per the Post Office branch.
2. High level security systems.
3. Additional LED low power consumption cab and rear lighting.
4. IT storage and power solutions.
5. Power management - both 12v and 240v.
6. Communications – For both the Operator and the Post office telematics system
7. Data connections for the Post Office IT equipment
8. Wheelchair access in the form of a tail lift
9. Auxiliary heating catered for with a 2.2kW Eberspacher heater.
10. Additional windows to both sides – Providing a light and comfortable customer waiting/service area.
11. Livery and decals
12. Various health and safety items such as bump pads, catch covers, first aid kits, etc.



# Polaris and Transportation Unit

Hall's Electrical Ltd offer a 1 shop stop for ALL VEHICLE TYPES

The Polaris was designed and built to utilise the benefits of a six wheel drive vehicle to deliver clinicians and extract patients form location not accessible by normal road going vehicles.

Shown here with its road going transporter:

We supplied and fitted

1. Body conversion to take patient transport system
2. Storage solutions
3. Emergency service lighting
4. Communications
5. Power management
6. Livery and decals

Hall's Electrical Ltd providing vehicle conversions to any vehicle type for any application. Our professional vehicle conversion specialists are used to dealing with the unusual and work closely with you to achieve specific requirements.



# Tesla – Police Demo

As the UK's leading BEV converter, Halls Electrical were approached by Tesla to provide a proof of concept roads policing vehicle. After a full power evaluation of the vehicle and discussions with Tesla's technical department the Model 3 performance was converted for Police use as a concept vehicle.

The vehicle, along with its unmarked sibling is currently under evaluation by the UK's police forces and other emergency services.

Please see some interesting links below:



# I3's – Speedy Skips

As a BMW approved converter and the first company to convert the I3 for Emergency service use , The concept was to provide a Ultra Low emission vehicle for Speedy Hire , a national lightweight tool hire company

These vehicles were deployed to deliver lightweight tools across the capital

The rear seats were removed and a bespoke composite panelling provided a bulkhead and side panels to convert the I3 into a van , full wrap and corporate branding gave the i3 a distinctive look.

<https://www.commercialfleet.org/news/van-news/2016/08/02/bmw-creates-i3-van-for-speedy-services>



# XC40 Recharge - BEV

A world's first for both Volvo Car UK & Halls Electrical was the conversion of the New Volvo XC40 recharge BEV for Emergency Service use

Following full vehicle and power evaluation a fully managed discreet installation was provided allowing for multi-agency evaluation





# ID3 - Emergency Services Evaluation

As a Volkswagen Group approved Converter, the request was to convert the ID3 for Emergency services evaluation

Following discussions with VW's technical team and various vehicle evaluations Halls Electrical provided another discreet conversation to allow this BEV to be evaluated for multi-agency Emergency service use



# Products and Services

1. Ply and Plastic lining
2. Bespoke head lining
3. Bespoke floor systems including pull out floors
4. Racking and storage solutions
5. Tail lifts
6. Vehicle lifts
7. Vehicle access ramps
8. Vehicle Power Management – Inverters, Generators, vehicle mains/AC systems, auxiliary battery banks, mains hook up etc
9. Vehicle mounted lifting equipment – cranes, hoists and lifts
10. Vehicle safety products – Camera system, proximity sensors, reversing alarms
11. Vehicle lighting – Work lights, interior lights etc.
12. Vehicle security – Alarms and immobilisers, slamlocks and dead locks
13. Tow bars and other towing equipment
14. Vehicle livery and wrapping