

08 May 2025

SWARCO MVAS Quotation

VM26744 Sutton on the Forest Parish Council NYCC

Introduction

Thank you for your much valued enquiry and for the opportunity to submit a proposal for this project.

SWARCO UK & Ireland Ltd has operated in the UK for 30 years as a specialist supplier of Traffic Technology and associated Electronic Signs. SWARCO's range of LED traffic signs are designed in accordance with the latest Department for Transport specifications and hold TOPAS TR2516B certification. They are also CE marked to EN12966-1:2005+A1:2009.

The MVAS4 has many features that will benefit your project;

The Moveable Vehicle Activated Sign (MVAS) initiative is a locally managed scheme where vehicle activated safety signs can be purchased by the Parish/Town Council and moved around the village to pre-agreed locations, fixed either onto existing or new posts. By moving the sign around the village, drivers do not become indifferent about the sign as can happen with fixed signs. This helps encourage safer driving and improve road safety in sensitive areas.

The data recorded by the internal MVD (Microwave Vehicle Detection) can be downloaded to a laptop via Bluetooth. This information can be used by local traffic officers and Police when planning routine speeding checks.

The latest version of MVAS features a choice of high capacity Lithium-Polymer battery, mains, solar or hybrid mains/battery power specifications. This means the sign will operate for a maximum of up to 12 weeks on a single charge, depending on the specification chosen, substantially longer than similar products on the market.

The speed selection is made via the internal rotary keyswitch, making adjustment of the speed selection secure and tamper-resistant.

Scope of Works

This quotation has been prepared based on the supply of the following options;

- 1 no Battery powered Mobile Vehicle Activated Sign to Bx-30r023/034-SD-BDH (battery not included)
- 2 no Post Installation Kits (minimum of 2 kits required as per NYCC)
- 1 no Fixing Kit
- 5 Years Warranty
- Delivery & access to online training

The value for this project is £3,532.50 exc VAT. (Battery costs to be added)



(Prices valid 01/03/2025 – 30/06/2025)

Scope of Works

This quotation has been prepared based on the supply of the following options;

- 1 no Solar powered Mobile Vehicle Activated Sign to S-30r023/034-SD-BDH
- 3 no Post Installation Kits (minimum of 3 kits required as per NYCC)
- 1 no Fixing Kit
- 5 Years Warranty
- Installation & access to online training

The value for this project is £4,332.50 exc VAT.

(Prices valid 01/03/2025 – 30/06/2025)



300mm Roundel Battery-powered MVAS Pricing Schedule

Item	Description	Value £	Qty	Total £
1	Moveable VAS to Bx-30-r-023/034-SD-BDH specification	3,025.00	1	3,025.00
	Post Installation Kit (1 bracket and 2 tamtorque clips per post)	22.50	2	45.00
	Post Fixing Kit (Tamtorque Tool and Padlock)	42.50	1	42.50
	Delivery (includes access to online training)	100.00	1	100.00
	4 Year Additional Warranty (5 year total)	80.00	4	320.00
	Total			3,532.50

Energy System

The sign quoted to Bx-30-r-023/034-SD-BDH is powered by a choice of 12v lithium-polymer batteries. Once the specified battery has been fully charged and installed in the sign, the sign will operate for the period listed, based on up to 4,000 activations per day. Extra batteries can be purchased as spares to allow spent batteries to be swapped for charged units without removing the sign from site.

Item	Short Life Specification (B1-30-r-234-SD-BDH)	Value £	Qty	Total £
1a	Additional 12v 4Ah Lithium-Polymer Battery	110.00	1	110.00

The short life specification provides an operating cycle of approximately 7 days.

Item	Standard Life Specification (B2-30-r-234-SD-BDH)	Value £	Qty	Total £
1b	Additional 12v 14Ah Lithium-Polymer Battery	235.00	1	235.00

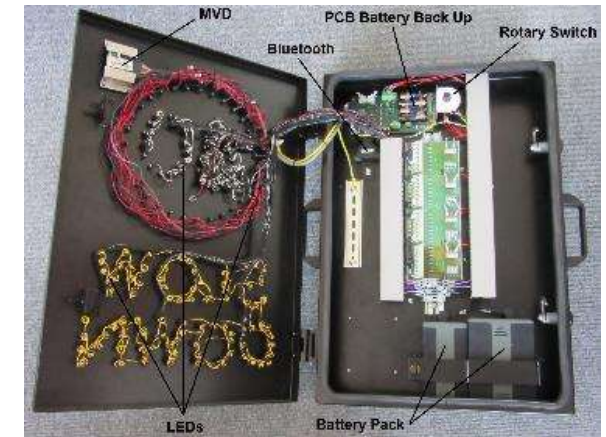
The standard life specification provides an operating cycle of approximately 3 weeks.

Item	Extended Life Specification (B3-30-r-234-SD-BDH)	Value £	Qty	Total £
1c	Additional 12v 22Ah Lithium-Polymer Battery	325.00	1	325.00

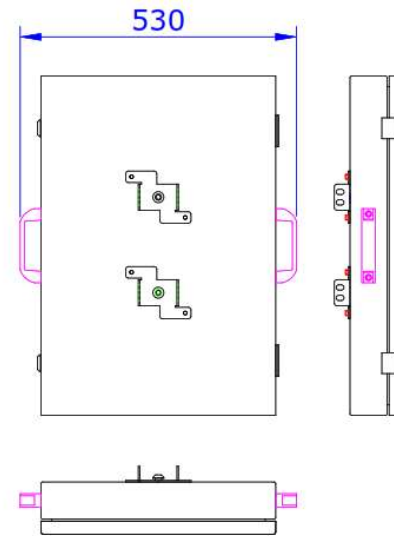
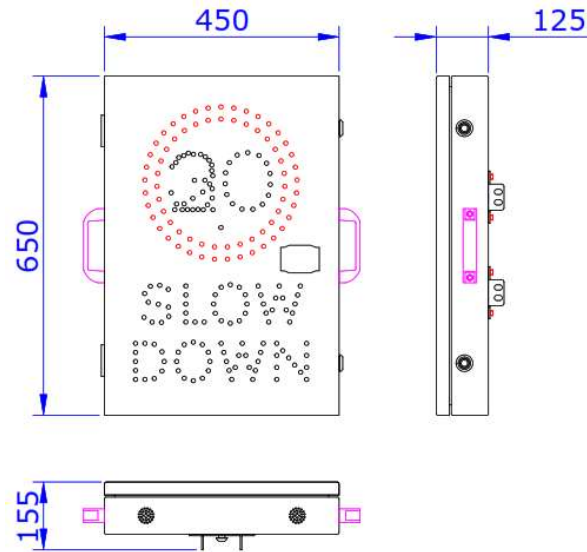
The extended life specification provides an operating cycle of up to 6 weeks.

Item	Maximum Life Specification (B4-30-r-234-SD-BDH)	Value £	Qty	Total £
1d	Additional 12v 22Ah Lithium-Polymer Battery	325.00	2	650.00

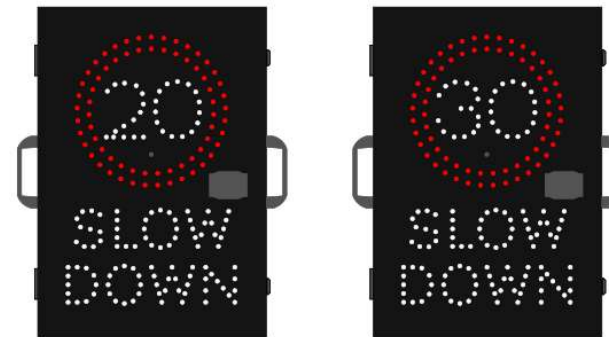
The maximum life specification provides an operating cycle of up to 12 weeks.



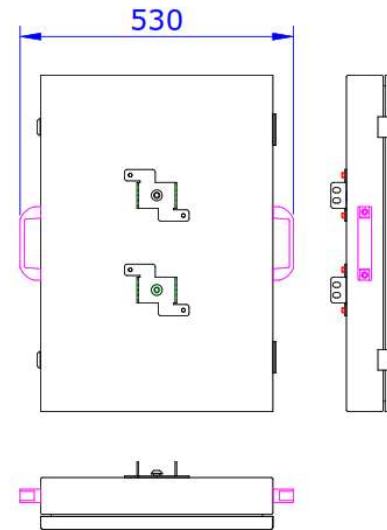
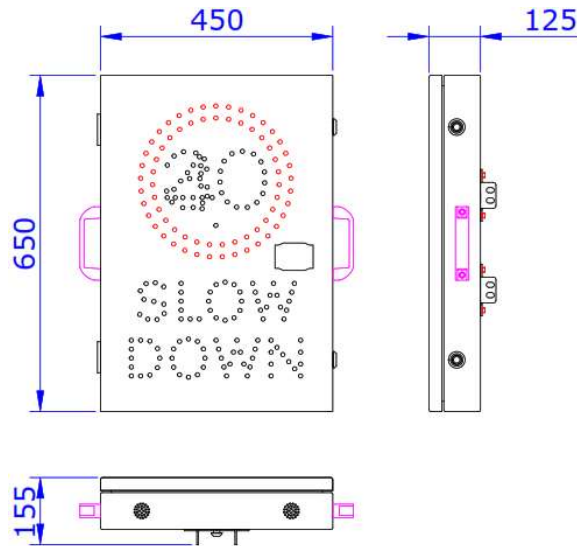
30-R-023-SD MVAS Sign Design



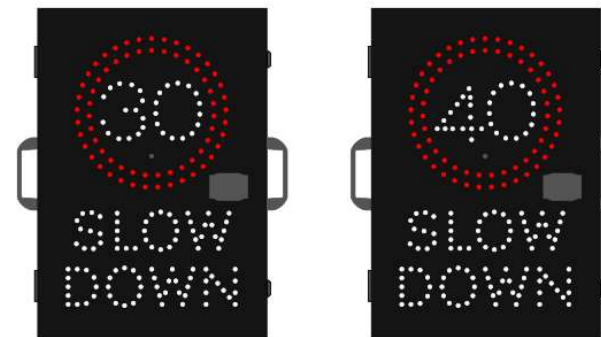
Sign Specification		LED Specification		
Width	450mm	Roundel	68	Red
Height	650mm	'2'	15	White
Area	0.29sq.m	'3'	15	White
Roundel	300mm	'0'	15	White
Roundel colour	Red	'SLOW'	45	Amber
Symbol colour	White	'DOWN'	51	Amber
Letter colour	Amber			
Background	Black			
Material	LED			
Weight	11.6Kg			



30-R-034-SD MVAS Sign Design



Sign Specification		LED Specification			
Width	450mm	Roundel	68	Red	
Height	650mm	'3'	15	White	
Area	0.29sq.m	'4'	15	White	
Roundel	300mm	'0'	15	White	
Roundel colour	Red	'SLOW'	45	Amber	
Symbol colour	White	'DOWN'	51	Amber	
Letter colour	Amber				
Background	Black				
Material	LED				
Weight	11.6Kg				



300mm Roundel Solar-powered MVAS Pricing Schedule

Item	Description	Value £	Qty	Total £
3	Moveable VAS to S-30-r-023/034-SD-BDH specification including solar arrangement and battery	3,447.50	1	3,447.50
	Post Installation Kit (3 brackets and 6 tamtorque clips min supply)	22.50	3	67.50
	Post Fixing Kit (Tamtorque Tool and 2no Padlocks)	57.50	1	57.50
	Installation (includes access to online training)	440.00	1	440.00
	4 Year Additional Warranty (5 year total)	80.00	4	320.00
			Total	4,332.50

Energy System

The sign quoted is solar powered; the solar solution of 1 no 40W panel and 1 no 7Ah battery has been calculated to provide up to 6,000 activations per day with a 7-day battery backup.

Each sign and solar kit incorporates a pre-wired plug & socket arrangement for ease of installation & maintenance.

When choosing a site to install a solar powered VAS sign the location needs to be carefully planned, ideally a good open South facing aspect, with no overhanging trees or buildings. The solar panel depends on direct sun light to fully maintain the battery power within the sign.



Optional Items

Item	Item	Value £	Qty	Total £
5	Heavy Duty Crown Key	12.50	1	12.50
6	MVAS4 Protective Bag	100.00	1	100.00

For multiple sign installations, a heavy duty key is recommended for added durability.

If signs are likely to be carried often or stored for extended periods, a protective bag is available for easier carriage and protection in storage.



Item	Miscellaneous	Value £	Qty	Total £
7	Configured laptop (Minimum Spec - Pentium Processor, 2GB RAM, 250GB HDD, Current Windows OS, USB and Bluetooth)	750.00	1	750.00

The configured laptop will include the current Microsoft Window Operating System at the time of order. The laptop will be pre-loaded with MVAS Handbook, MVAS Analytics Software Tutorial Video, MVAS Analytics Windows Software and sample MVAS Houston radar 20-30-40 config file.

Each sign configuration will have been tested using the laptop prior to despatch.



Enhanced enclosure security

If you are aware of attempted break-ins or thefts to signs in your local area, you may wish to consider enhanced security for the sign enclosure.

The sign can be specified with a stainless steel wrap (as shown right) which is fitted to the sign enclosure during manufacture. This wrap is designed to stop a would-be vandal or thief trying to pry open the case to gain access to the components and batteries within.

The additional value for the enhanced security feature is £125.00 exc VAT per sign.

If it appears that signs are being accessed by someone with a sign key, a lock barrel surround can be fitted during manufacture, ensuring that the signs can only be opened by authorised personnel as padlock key holders.

The additional value for the enhanced security lock barrel with padlock is £50.00 exc VAT per sign.



Data Logging

Data logging is included as standard on all MVAS4 models. In optimal conditions the radar count accuracy for a single lane approach is +/- 10% and +/- 20% on a dual lane approach based on an operational range of 90m.

The Windows © data software supplied with the radar collects the traffic data and offers various options to manipulate the data including export to Microsoft Excel.

Links to manuals and software for vehicle activated signs are available on request.

An app called 'Houston Radar' is also available from [The Google Play Store](#) that provides download and basic data analysis facilities on any Android device.



Warranty & Maintenance

Description	Warranty Cover (5 Years)	Warranty Contract Year 6 onwards	Maintenance Contract
Qty Of Preventative Maintenance Inspections Per Year	0	0	1
Costs Of Labour For Unscheduled Visits	Included	Included	Included
Cost Of Replacement Of Faulty Parts	Included	Included	Included
Level Of Response To Faults	5 Working Days	5 Working Days	3 Working Days
Days Of Cover	Working Week Days	Working Week Days	Working Week Days
Telephone Support (Office hours only) Mon-Thurs: 08:30 – 17:00, Fri: 08:30 – 16:00	Included	Included	Included
Price Per Sign Per Year	Included	£80.00	POA

All equipment quoted is subject to a 5 Year warranty period from the date of delivery. This on-site warranty allows for replacement of equipment failure due to manufacturing defects and systemic component faults. This does not include for wear, tear, accidental damage or vandalism. Lithium-Polymer and gel-acid batteries are subject to a manufacturer-mandated 12-month warranty only from the date of delivery.

STL can provide a price for an Extended On-Site Warranty / Maintenance Contract if required based on the per annum pricing shown below. The pricing shown is based on a location within 2 hours travelling time from the nearest depot – excess travelling beyond this will be confirmed as an additional value per visit on request.

Supporting Information

Quotations are valid for 90 days from issue and delivery will be to an agreed programme from receipt of order and subsequent approval of order acknowledgement (to include sign designs / artwork / sizes). Any additional site visits required due to non SWARCO related events / delays will be subject to an additional charge.

With regards to the pricing of our offer, at this point we have not made any provision for specific contract conditions that might affect cost. We have also included our standard trading terms and conditions that we presume will prevail unless we enter an agreed form of sub-contract with yourself.

Prices quoted do not include Traffic Management and assume any site works or surveys will be completed during normal weekday working hours (9am – 5pm unless specifically requested otherwise).

Payment for orders under £5000

Invoices are to be paid within 30 days. All prices quoted are exclusive of VAT.

Payment for orders over £5000 and Delivery Only

Payment terms of 30% with order and 70% on delivery will be applied unless specifically agreed otherwise. Invoices are to be paid within 30 days. All prices quoted are exclusive of VAT.

SWARCO reserves the right to complete credit checks prior to acknowledgement of order. Full or partial pro-forma payment may be requested upon receipt of your first order.

Exclusions

The price quoted is for supply and delivery only and as such does not include for any site visits unless a maintenance contract is specified at the point of order.

The current minimum rate for an SUK&I Engineer to visit site is £325.00 ex VAT.

A minimum order value of £200.00 ex vat will be applied to all orders received.

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