

  
FIRESTELLAR

# BRAND BOOK

“When Seconds Matter,  
So Does Precision”



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Founded in 2014, Firestellar Technologies LLP is a Mumbai-based company specializing in the design and manufacturing of electronic products for automotive applications. Our product range includes Electronic Throttle Pump Control Panel Unit, LED Level Indicator, Emergency Lights and wide range of rescue equipments catering to the needs of OEMs, private and government users. Our dedicated team of designers, engineers and technicians focuses on innovation, customer support, integrity and quality to deliver reliable technology solutions that enhance operational efficiency and productivity.



**Vision**

To ensure every emergency vehicle is equipped with cutting-edge technology that enhances performance and safety.



**Mission**

Our mission is to collaborate with OEMs and end-users to deliver innovative, reliable technology solutions that drive operational efficiency, boost productivity, and generate cost savings for our clients.

**Mr. Dhaval Shah**

Co-founder of Firestellar Technologies LLP, he blends technical expertise with business acumen. With a background in Instrumentation Engineering and an M.S. in Finance from Florida International University, his journey began at his father's company, working closely with fire trucks. Inspired by global innovations at the Interschutz Exhibition in Germany, he pioneered India's first Electronic LED Level Indicator for fire trucks and expanded into a full suite of electronic fire safety products. His mission remains clear: to make firefighting safer and smarter through homegrown innovation.

**Mr. Amish Parmar**

Co-founder of Firestellar Technologies LLP, and a Commerce graduate with a degree in Business Management from Welingkar Institute of Management, started his career from the grassroots—handling deliveries and operations at his father's hardware business. With his expertise in supply chains and manufacturing, he was able to transition into fire safety and bring a fresh, strategic perspective. At Firestellar, he leads procurement, production, finance, and backend operations, ensuring every product meets the highest standards. His sharp business sense and operational know-how are key to Firestellar's consistent quality and growth.



Most advanced technology for automotive electronics



Products certified as per international standards



Customised solutions as per need



End-to-end in-house product development



Specialized solutions for automotive and industrial sectors



Engineering-led design and innovation



Customizable and scalable product offerings



Proven track record with OEMs



Timely delivery and responsive support

## Stellar Pro

Stellar Pro is a robust and reliable electronic throttle control system engineered specifically for firefighting vehicles. It enhances operational safety, reduces response time, and safeguards the pump system by actively monitoring vital engine and pump parameters.

Built with a high-durability stainless steel enclosure, Stellar Pro is made to perform in the harshest environments. It is compatible with leading Indian chassis. Engineered in India and certified with IP65.



## Key Features

- Manual Mode: Offers precise RPM adjustments through a dedicated control box
- Max RPM Interlock
- Governing Mode: Automatically maintains a constant engine RPM to ensure consistent discharge pressure
- Electronic Throttle Control Box
- Real-time digital display of Pump and Engine RPM
- Throttle ready Indicator
- Digital Pressure Display – L.P., H.P., C.P.
- Stainless Steel Enclosure
- Pump Service Reminder
- Multiple Language options
- Automatic "No Water" Detection: Instantly reduces engine RPM to protect the pump
- IP 65 protection against dust and water ingress

## Specification

- > 7 inch LCD TFT display
- > Reverse Polarity Protection
- > Tank level indication (in percentage and volume)
- > Dimensions: 290 (L) x 204 (H) x 172 (W) mm
- > Operating Voltage: 10 – 30 VDC

## Vehicle Applications

- > Fire-fighting / Rescue vehicles
- > Waste Management vehicles
- > Riot Control vehicles













## Stellar View Push



Stellar View Push is a next gen pressure governing and engine monitoring system tailored for firefighting and emergency vehicles. Designed for precision, durability, and safety, it seamlessly manages pump operations and engine conditions while offering real-time performance insights.

Integrated with a high-visibility LED Tank Level Indicator, it displays liquid percentage, volume in liters, and battery voltage. Built with high-impact materials, to perform in harsh outdoor conditions. Designed in France and engineered in India, IP 65 certified with SAE standards for vibration.

## Key Features

 <p>Manual Mode: Offers precise RPM adjustments through a dedicated control box</p>	 <p>Automatic "No Water" Detection: Instantly reduces engine RPM to protect the pump</p>
 <p>Governing Mode: Automatically maintains a constant engine RPM to ensure consistent discharge pressure</p>	 <p>Coolant temperature &amp; Discharge Pressure</p>
 <p>Real time display of pump/engine RPM</p>	 <p>Battery Voltage Indication</p>
 <p>7-segment display</p>	 <p>Electronic Throttle Control Box</p>
 <p>High Power LEDs for clear visibility</p>	 <p>Optional repeater unit for drivers cabin</p>
 <p>Max RPM Interlock</p>	 <p>IP65 and SAE certified for vibration</p>

## Specification

- > Reverse Polarity Protection
- > Tank level Indication (in percentage and volume)
- > Dimension: 95 mm (L) x 175 mm (H) x 60 mm (W)
- > Operating Voltage: 10 – 30 VDC

## Vehicle Applications









- > Fire-fighting / Rescue vehicles
- > Waste Management vehicles
- > Riot Control vehicles

## Stellar View

Stellar View is a precision LED Tank Level Indicator that displays both liquid percentage and volume in litres, plus battery voltage. Built with high-impact materials, to perform in harsh outdoor conditions. An optional repeater display is available for driver’s cabin. Designed in France, engineered in India, IP65 certified with SAE standards for vibration.



### Key Features

 7-segment display	 Buzzer Alerts
 High Power LEDs for clear visibility	 Battery Voltage Indication
 Pressure Sensor Technology	 Build to withstand extreme weather cycles
 Automatic “No Water” Detection: Instantly reduces engine RPM to protect the pump	 IP65 and SAE certified for vibration

### Specification

- > Reverse Polarity Protection
- > Tank level Indication (in percentage and volume)
- > Dimension: 95 mm (L) x 175 mm (H) x 60 mm (W)
- > Operating Voltage: 10 – 30 VDC

### Vehicle Applications

- > Fire-fighting / Rescue vehicles
- > Waste Management vehicles
- > Riot Control vehicles
- > Overhead Tanks











## Stellar Revo



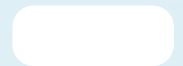
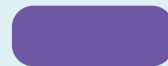
Revo is a premium LED beacon light designed for durability and performance. With a die-cast aluminum base and UV-treated polycarbonate dome, it withstands harsh conditions without the need for maintenance. Using high-power LEDs, it delivers rotating-style flash patterns for maximum visibility.

Available in multiple colors, Revo meets CMVR act, making it ideal for emergency and industrial use. Engineered in India, certified with IP65 and SAE standards for impact and vibration.

## Key Features

 High-power, attention-grabbing LED illumination	 Thermal control
 No moving parts – ensuring longer lifespan and reduced maintenance	 Impactful flash pattern for enhanced visibility
 Die-cast aluminum base for superior durability	 Multiple mounting options
 UV-resistant dome – prevents discoloration and degradation over time	 IP65 – protected against dust and water ingress
 Built to withstand extreme weather cycles	 SAE certified (impact and vibration)

## Colours



## Specification

- > Reverse Polarity Protection
- > Power Consumption: Max 25W
- > Dimensions: 125 mm (H) × 165 mm (D)
- > Voltage Range: 10 – 30 VDC

## Vehicle Applications

- > Fire-fighting / Rescue vehicles
- > Waste Management vehicles
- > Riot Control vehicles
- > Police vehicles
- > Ambulance vehicles
- > Industrial and Material handling vehicles
- > Airport refuelers / Vehicles

## Stellar Blink

The Stellar Blink is a high-intensity blinker light with a die-cast aluminum base, ideal for emergency vehicles. It features single or dual-tone color options, powerful LEDs, and focused lenses for strong visibility. It also functions as perimeter lighting. Designed in France and engineered in India, IP 65 certified with SAE standards for impact and vibration.



### Key Features

High-power, attention-grabbing LED illumination	Thermal control
No moving parts – ensuring longer lifespan and reduced maintenance	Impactful flash pattern for enhanced visibility
Die-cast aluminum base for superior durability	Inbuilt scene light
UV-resistant top cover – prevents discoloration and degradation over time	IP65 – protected against dust and water ingress
Built to withstand extreme weather cycles	SAE certified (impact and vibration)

### Colours



**Specification:** > Reverse Polarity Protection > Power Consumption: 30W  
 > Dimensions: 193 mm (L) x 103 mm (H) x 38 mm (W) > Voltage: 10 – 30 VDC

**Vehicle Applications:** > Fire-fighting / Rescue vehicles > Waste Management vehicles  
 > Riot Control vehicles > Police vehicles > Ambulance vehicles > Industrial and Material handling vehicles  
 > Airport refuelers / Vehicles

**Stellar VBar**



The Stellar Vbar is a high-performance LED lightbar with a V-shaped design for 360° illumination. Impactful for high-visibility areas like road intersections. Engineered in India, IP65 certified with SAE standards for impact and vibration.

**Key Features**

- |  |   |
|--|---|
| High-power, attention-grabbing LED illumination                      | Thermal control                                 |
| No moving parts – ensuring longer lifespan and reduced maintenance   | Impactful flash pattern for enhanced visibility |
| Die-cast aluminum base for superior durability                       | Unique V-shaped light bar                       |
| UV-resistant dome – prevents discoloration and degradation over time | IP65 – protected against dust and water ingress |
| Built to withstand extreme weather cycles                            | SAE certified (impact and vibration)            |

**Colours**



**Specification**

- > Reverse Polarity Protection
- > Dimensions:  
900 mm (L) x 190 mm (H) x 570 mm (W)  
36 in (L) x 23 in (H) x 7.6 in (W)
- > Voltage Range: 10 – 30 VDC

**Vehicle Applications**

- > Fire-fighting / Rescue vehicles
- > Waste Management vehicles
- > Riot Control vehicles
- > Police vehicles
- > Ambulance vehicles
- > Industrial and Material handling vehicles
- > Airport refuelers / Vehicles

## Battery Operated Rescue Tools

### Combi RIT-TOOL (E-FORCE 3)

Fully-featured battery combi tool with replaceable tips depending on the application e.g. breaking doors and windows, cutting round steel and chains, lifting of loads, pulling obstacles, opening of vehicles (extrication).

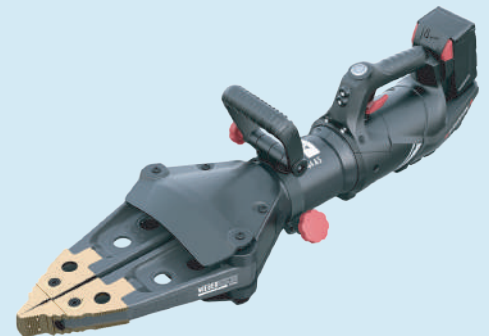


### Specifications

Opening	215 mm
EN class 13204:2016	AC140H-13.3
EN cutting class (EN 13204)	1H-2H-3H-4H-5H
NFPA class	A6-B7-C6-D7-E7-F3

### Spreader SP 44 AS (E-FORCE 3)

The SP 44 AS E-FORCE 3 is a compact, battery-powered hydraulic spreader from Weber Rescue Systems, built for rapid response and high-performance extrication. Combining powerful force with cordless efficiency, it's the ideal choice for firefighters and rescue professionals tackling modern rescue scenarios.



### Specifications

Spreading width	610 mm
Spreading force (in the working area)	44 – 857 kN
Pulling width	465 mm
EN class 13204:2016	AS44/610-17,3

### Cutter RSC 170 PLUS (E-FORCE 3)

The RSC 170 PLUS E-FORCE 3 is a heavy-duty, battery-operated hydraulic cutter engineered for fast, precise extrication work. Developed by Weber Rescue Systems, this tool delivers superior cutting strength and optimized blade geometry, making it a trusted choice for modern vehicle rescues and crash responses.



### Specifications

Opening	175 mm
EN class 13204:2016	BC166I-18,1
EN cutting class (EN 13204)	1J-2K-3I-4J-5J
NFPA class	A7-B8-C6-D8-E9-F4

### Cutter C 120 MK2 (E-FORCE 3)

Built for speed and precision, this tool enables quick follow-up cuts with efficient material ejection. Its durable aluminum housing ensures reliable performance in demanding rescue scenarios.

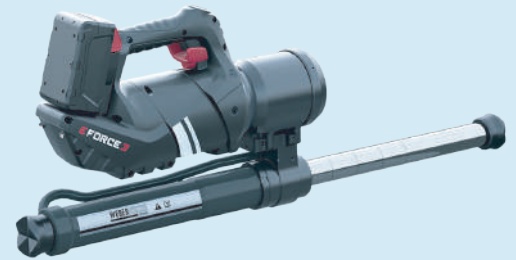


### Specifications

Opening	120 mm
EN class 13204:2016	AC120D-23,1
EN cutting class (EN 13204)	1D-2D-3E-4F-5F
NFPA class	A4-B3-C5-D6-E6-F3

### Rescue RAM RZ 1-910 (E-FORCE 3)

The RZ 1-910 E-FORCE 3 is a powerful, battery-operated hydraulic rescue ram developed by Weber Rescue Systems for critical spreading and pushing operations. Compact yet strong, it offers an impressive extended length and pushing force, ideal for creating space during extrications or stabilizing structures in high-risk rescue scenarios.



### Specifications

Pushing force	111 kN
Closed length	540 mm
Piston stroke	368 mm
Extended length	908 mm

### Hose Bound Rescue Tools

#### Combi tool SPS 270 MK2

The SPS 270 MK2 is a lightweight, high-performance combi rescue tool from Weber Rescue Systems, designed for fast intervention in vehicle extrications and technical rescue operations. Offering both cutting and spreading capabilities in a single, compact device, it's perfect for first responders seeking mobility, speed, and power in critical situations.



### Specifications

Spreading width	270 mm
Spreading force (in the working area)	31 – 591 kN
Pulling width (with adapter)	395 mm
EN class (EN 13204) / NFPA class	1H-2G-3G-4H-5G / A6-B7-C6-D7-E7-F3

### Spreader SP 44 AS

Next-gen spreader with redesigned structure for better performance and control. Features spiked tips for superior grip and ergonomic handling.



### Specifications

Spreading width	610 mm
Spreading force (in the working area)	44 – 857 kN
Pulling width	465 mm
Max pulling force	68 kN

### Cutter RSC 170 PLUS

This high-performance cutter features smooth cut tech for clean, low-stress cuts. Lightweight forged blades with optimized geometry ensure safety and ease. Plus inserts allow quick blade changes, with seamless upgrade to E-Force3 or smart-force systems.



### Specifications

Opening	175 mm
EN class 13204:2016	BC166I-15,4
EN cutting class (EN 13204)	1J-2K-3I-4J-5J
NFPA class	A7-B8-C6-D8-E9-F4

### Rescue ram RZT 2-600 RC 7

#### Compact Rescue Ram for Confined Spaces

This compact rescue ram is designed for tight spaces like vehicle footwells. It extends smoothly to 600 mm and features an integrated remote control/handle for easy operation. The innovative DISTANCE feature on the piston rod clearly shows the remaining extension length.



### Specifications

Pushing Force (1st/2nd stage)	189 kN / 99 kN
Piston Stroke (1st/2nd stage)	165 mm / 135 mm
Extended Length	600 mm
EN Class 13204:2016	TR189/165-99/135-10,4

### Compact power unit V-ECOCOMPACT 3600

#### Compact Petrol-Powered Unit with High Efficiency

This compact power unit features a petrol engine with ECO mode for energy-efficient performance. It can be operated from either side, supports Turbo-Speed for dual-tool use or faster performance, and has a durable, lightweight carry frame for easy transport. Its high output capacity ensures fast, efficient work in demanding rescue situations.



### Specifications

Nominal pressure	70 MPa (700 bar)
Usable volume	3.6 l
EN class (13204:2016)	ATO + MTO
EN class (13204:2025)	ATO + MTO



The Powermat is a high-pressure lifting bag designed for lifting vehicles and heavy objects in emergency rescue situations. Its slim profile when deflated allows easy storage in tight spaces.

**Powermat 8 Bar Lifting Bags**

Specification	KS1	KS3	KS5	KS10	KS12	KS16	KS21	KS29	KS33	KS46	KS54	KS67
Product Code	KS01/08	KS03/08	KS05/08	KS10/08	KS12/08	KS16/08	KS21/08	KS29/08	KS33/08	KS46/08	KS54/08	KS67/08
Length (cm/in)	15 / 5.9	22.5 / 8.6	27 / 10.6	38 / 15	40.8 / 16.1	46 / 18.1	52 / 20.4	62 / 24.4	65.8 / 25.9	77.5 / 30.5	84 / 33.1	92 / 36.2
Width (cm/in)	15 / 5.9	22.5 / 8.6	27 / 10.6	38 / 15	40.8 / 16.1	46 / 18.1	52 / 20.4	62 / 24.4	65.8 / 25.9	77.5 / 30.5	84 / 33.1	92 / 36.2
Inflated Height (cm/in)	10 / 3.9	13 / 4.9	15 / 5.9	23 / 8.9	23 / 8.9	25 / 9.8	32 / 12.6	35 / 13.8	38 / 14.8	43 / 16.7	48 / 18.7	50 / 19.7
Deflated Height (cm/in)	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1
Maximum Lift (t / US ton)	0.9 / 1.0	2.6 / 2.9	4.2 / 4.6	10.4 / 11.5	10.2 / 11.2	13.6 / 15.0	21 / 23.14	26.6 / 29.3	30.3 / 33.4	42.5 / 46.8	51.1 / 56.3	62.2 / 68.6
Air Capacity (litre/ft <sup>3</sup> )	3 / 0.1	12 / 0.4	23 / 0.8	69 / 2.4	89 / 3.1	124 / 4.4	186 / 6.6	311 / 11	391 / 13.8	627 / 22.1	797 / 28.1	1051 / 37.1
Weight (kg/lbs)	0.5 / 1.1	1.3 / 2.9	1.8 / 4	3.6 / 7.9	4.1 / 9	5.1 / 11.2	8 / 17.6	12 / 27	13.5 / 29.8	14.5 / 32	20 / 44.1	23 / 50.7
Max Pressure (bar/psi)	8 / 116	8 / 116	8 / 116	8 / 116	8 / 116	8 / 116	8 / 116	8 / 116	8 / 116	8 / 116	8 / 116	8 / 116

**Powermat 12 Bar Lifting Bags**

Specification	KS2	KS5	KS8	KS16	KS18	KS23	KS30	KS43	KS49	KS68	KS81	KS97
Product Code	KS02/12	KS05/12	KS08/12	KS16/12	KS18/12	KS23/12	KS30/12	KS43/12	KS49/12	KS68/12	KS81/12	KS97/12
Length (cm/in)	15 / 5.9	22.5 / 8.6	27 / 10.6	38 / 15	40.8 / 16.1	46 / 18.1	52 / 20.4	62 / 24.4	65.8 / 25.9	77.5 / 30.5	84 / 33.1	92 / 36.2
Width (cm/in)	15 / 5.9	22.5 / 8.6	27 / 10.6	38 / 15	40.8 / 16.1	46 / 18.1	52 / 20.4	62 / 24.4	65.8 / 25.9	77.5 / 30.5	84 / 33.1	92 / 36.2
Inflated Height (cm/in)	8 / 3.1	13 / 5.1	16 / 6.3	23 / 9.1	25 / 9.8	28 / 11.0	32 / 12.6	38 / 15	41 / 16.1	48 / 18.9	52 / 20.5	57 / 22.4
Deflated Height (cm/in)	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1	2.5 / 1
Maximum Lift (t / US ton)	1.4 / 1.5	4.1 / 4.5	6.6 / 7.3	13.6 / 15.0	16.0 / 17.6	20.9 / 23.0	27.6 / 30.4	40.6 / 44.8	45.2 / 49.8	63.8 / 70.3	75.5 / 83.2	93.2 / 102.7
Air Capacity (litre/ft <sup>3</sup> )	4 / 0.1	18 / 0.6	34 / 1.2	100 / 3.5	128 / 4.5	180 / 6.4	268 / 9.5	449 / 15.8	565 / 20	906 / 32	1151 / 40.6	1518 / 53.6
Weight (kg/lbs)	0.5 / 1.1	1.3 / 2.9	1.8 / 4	3.6 / 7.9	4.1 / 9	5.1 / 11.2	8 / 17.6	12 / 27	13.5 / 29.8	14.5 / 32	20 / 44.1	23 / 50.7
Max Pressure (bar/psi)	12 / 174	12 / 174	12 / 174	12 / 174	12 / 174	12 / 174	12 / 174	12 / 174	12 / 174	12 / 174	12 / 174	12 / 174

High-pressure foam extinguishing system designed for integration into compact vehicles. Manufactured by CTD in France.



## Key Features



Pump Type: Piston



Product Type: Class A / AFFF



Pump Flow: 21 lpm



Configuration: Available as a kit or as a complete assembly on a frame with water and foam product tanks



Pressure: 200 bar



Economical – Uses less water with high-efficiency CLASS A foam



Dosing Range: 0.1% to 6%



Upgradable – Fits any vehicle with customizable options



Power: Thermal (Diesel or Petrol)



Effective – Finer droplets for better cooling and heat absorption



Length of Hose: 25m – 60m  
(can be extended above 60m as well)



Extinguishing – 5-mode handheld high-pressure nozzle





The EV Car Fire Blanket is designed to contain electric and hybrid vehicle fires caused by faulty / damaged batteries. Lithium battery Thermal Runaway fires cannot be extinguished by conventional means. The battery electrolyte usually contains flammable hydrocarbons and the lithium oxide cathode is highly reactive and self-oxidising, so the fire feeds itself. If left unchecked extremely high temperatures and intense fires can result.



When a Fire Cloak™ EV Fire Blanket is deployed the combustion potential can be minimised by depriving the fire of oxygen. This means that because the fire is contained, temperatures drop which helps prevent damage to surrounding vehicles and property.

Manufactured from a specially modified silica quartz material and coated with a fire-resistant polymer, the resulting Fire Cloak™ high-tech fabric has extremely high temperature resistance.

**Sizes Available**

- > 4x3m, weighted c.11kg (24 lbs)
- > 8x6m, weighted c.24kg (53 lbs)
- > 12x9m, weighted c.28kg (62 lbs)





**G65**







This patented handheld searchlight offers 3X optical zoom, 7°–21° beam distribution, and a range of over 1 km with high light uniformity. It features an integrated alarm, rechargeable Li-Ion battery, and constant 18W output. Perfect for search and rescue, firefighting, naval, border, and disaster operations.

**G70**

This patented ultra-performance handheld searchlight delivers 3X zoom, 6.2°–18° beam distribution, and a range of over 1.5 km with exceptional light uniformity. It features a powerful 95 dB alarm, rechargeable Li-Ion battery with 16.8V / 4.2A adaptor, and constant 30 W output. Designed for search and rescue, firefighting, naval, coastal, border, disaster, underwater, and forest operations.



**Key Features**

- |   |  |
|---|--|
|  <p>High-Performance Handheld Searchlight</p>              |  <p>Rechargeable Li-Ion battery including charging adapter</p>  |
|  <p>Equipped with Image Formation Optical Zoom System</p>  |  <p>3X magnification</p>  |
|  <p>Provides high light uniformity and high visibility</p> |  <p>Application: Search and Rescue, Firefighter, Naval, Disaster and Safety, Coastal Guard, Border patrol, Underwater, Forest Rangers</p> |

Firefighters should focus on fighting fires, not wrestling with their gear. With SmartDock, there are no cords or levers to slow them down. Simply bend at the waist to release the SCBA tank, then stand up to exit the apparatus quickly. In the event of a crash, SmartDock's innovative design ensures the tank stays securely in place, preventing it from becoming a projectile. One universal model fits nearly all SCBAs and SmartDock can easily be retrofitted to a variety of seats.



## Key Features



Top claw locks in place during accidents to keep the SCBA bottle secure



Versatile mounting tabs fit a wide range of SCBA tank types



Two-bolt installation makes retrofitting quick and simple



CAPE tested, meeting or exceeding all applicable safety standards



With no levers or cords, SmartDock saves firefighters precious seconds



In an accident, the top claw clamps down to keep the SCBA bottle from becoming a projectile



Height adjustment knob: To adjust for variations in tank size



## Contact Us

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Whether you're an OEM, government agency, or emergency response team we're here to help you find the right electronic solution. Reach out to discuss your project requirements, request a quote, or explore partnership opportunities.



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