



MOTOLANCE CORPORATION PRIVATE LIMITED

Revolutionizing Emergency Care: The Launch of Motolance - Your Next Lifesaving Solution?

The future of emergency medical care is indeed here, and it rides on two wheels. Launched on January 17, 2025, at the Bharat Mobility Expo 2025, the **Motolance (Motorbike Ambulance)** is not just a state-of-the-art motorcycle ambulance; it is a comprehensive medical support system designed to respond to emergencies with unmatched efficiency. This innovative ambulance model is tailored for trauma situations. It is the first indigenous '**Sushruta**' (**S-class**) model series of ambulance built on a two-wheeler platform. Inspired by the legacy of Maharishi Sushruta, known as the father of surgery, the Motolance addresses the urgent healthcare needs of today.

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The Vision Behind Motolance

The term Motolance blends 'moto', symbolizing speed, with 'lance', reminiscent of 'lancelot', meaning land. This reflects its mission to deliver quick and efficient medical assistance on the ground. Equipped to stabilize, resuscitate, and evacuate patients, the Motolance effectively transforms emergency response by bringing the hospital to the scene. This innovative vehicle combines the vital functions of a traditional ambulance with the speed of a motorcycle, offering a rapid response in critical situations. Its design prioritizes speed, flexibility as well as patient safety with cutting-edge medical technology and comfort during transport.

The Motolance Corporation (P) Limited (MCPL) was conceived as women led Startup with encouragement and guidance of the forward-thinking Mr. K. Kapilla, President (Emeritus) of the International Road Federation (IRF).

The goal was simple yet powerful: to save lives through improved mobility solutions.



View: Shri Ajay Gupta (on left) and Mrs. Deeprekha M (on right), Director(s), Motolance Corporation Private Limited.



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The prime aim of this group was to equip ambulance support at every 20 Km of National & State Highways to achieve global standard of 'golden hour' to save lives.

Design and Functionality

The Motolance boasts a clever design that emphasizes accessibility and flexibility. The design concept, aptly named 'freedom,' includes two-sided access, which allows medical staff to assist patients from either side of the vehicle. This is especially critical in tight spaces, where traditional ambulances may struggle to navigate or whenever required during transit on highways, rural roads or remote locations.

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The patient chamber is cleverly separated from the medical device compartment. This thoughtful layout ensures that the medical equipment is easily accessible and not compromised by other aspects of the ambulance. Moreover, the Motolance features exceptional ground clearance of over 170 mm. This enables it to traverse diverse terrains effectively, whether moving through narrow alleyways in dense urban areas or bumping over rough rural roads.

To enhance patient comfort, the Motolance includes a vibration dampening viscoelastic gel system (patented technology) beneath the immobilized patient. This system significantly reduces discomfort from jolting caused by uneven terrain, ensuring a smoother ride for those in transit.

Its compact design requires less turning space than standard four-wheeled ambulances making both urban and rural navigation faster.

Multi-environment Suitability: The Motolance stands out due to its versatility across different environments. Its infection control patient compartment, pollutant filtration, sanitized air, oxygen support even for driver and pillion to pass through contaminated environment makes it an evolved ambulance suitable for urban, rural, industrial, pandemics and even disasters or terrorist attacks.

Seamless Transfers: The **auto-loadable stretcher** allows paramedics to transfer patients from the ground to the bike smoothly. This feature is crucial in urban settings, where heavy traffic can delay traditional ambulances. For example, in a congested city, the Motolance can reach patients up to 30% faster than a standard ambulance. This feature enables a smooth transition from first response to definitive care, which is crucial in high-stress mass casualty situations.

Real-Time Consultations: One of the most impressive features of the Motolance is its **telemedicine and GPS** capabilities. The integration of telemedicine allows paramedics to consult with doctors remotely during emergencies. This real-time communication means that critical decisions can be made before the patient even arrives at the hospital, significantly increasing the chances of positive outcomes. Studies indicate that timely telemedicine consultations can improve survival rates by 15% in emergency scenarios.

Triage Capability: The Motolance's multi-channel monitoring system leveraging advanced third-eye blue tooth enabled technology, allows for simultaneous tracking of vital signs such as heart rate, respiratory rate, oxygen saturation, and blood pressure. Such comprehensive monitoring helps both hospitals & paramedics quickly assess the patient's condition and decide on the best course of

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action. In fact, studies show that timely monitoring can reduce morbidity rates by up to 30% in emergency situations via triage.

Encouraging Basic Life Support: Featuring ABC (Airway, Breathing, Circulation) support accessories enhances the response capabilities of paramedics. With these tools, they can stabilize patients effectively before reaching a medical facility, especially during life-threatening situations.

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Ready for Immediate Care: Fully stocked with first aid supplies, the Motolance enables immediate treatment for various injuries. For instance, if there is a roadside accident, the paramedics can start treating injuries on the spot, ensuring that patients receive professional care instantly.

Prepared for Any Situation: The Motolance comes equipped with essential trauma care management kits. These kits contain essential supplies for a range of medical emergencies, from controlling bleeding to stabilizing fractures. For example, having the necessary tools to treat a serious injury on-site can improve survival chances significantly.

Pandemic Resilience: Another notable feature is the Vayuswachh+ air sanitization system (DRDO Technology). This technology protects patients from airborne pathogens, which are especially concerning during outbreaks of infectious diseases. This innovation not only shields patients but also provides peace of mind to medical staff during transport. Additionally, the antimicrobial coating used throughout the Motolance provides a year-round defense against infection.



View: Features of Motolance being explained by Mr. Ajay Gupta, CEO, MCPL to Shri Nitin Gadkari, Hon'ble Minister, Ministry of Road Transport and Highways, Government of India dated: 17th Jan, 2025 at Bharat Mobility Expo, 2025.

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Adaptable and Versatile: Designed to function efficiently in various environments—urban, rural, and challenging terrains—the Motolance demonstrates a strong commitment to accessibility in emergency medical services. This adaptability means it can be deployed in diverse locations, from city streets to rural back roads. It can even be separated or deployed to develop make-shift hospitals to manage mass casualty events.

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Sustainable Life Support Solution: With a reduction in fuel costs and the relatively lower cost of repairs, operating a fleet of Motorbike Ambulances (Motolances) can be up to 40% cheaper compared to traditional ambulances in bustling city environments.

Recognition and Support

The Motolance has received widespread recognition from leaders in healthcare and transportation. Shri Nitin Gadkari, Hon'ble Minister, Ministry of Road Transport and Highways, Government of India praised its potential to improve emergency medical services across India. His endorsement highlights how innovations like the Motolance can align with national health priorities.

Additionally, healthcare experts from esteemed institutions such as AIIMS and Vedanta have praised the Motolance for its innovative approach to patient care. This recognition affirms the rigorous testing and validation that have shaped the Motolance into a viable solution for emergency healthcare. Moreover, support from the International Road Federation, which showcased the Motolance in their Indian Pavilion at the Bharat Mobility Expo 2025, emphasizes the collaborative efforts aimed at enhancing road safety and emergency response systems.

Feedback from the Community

The community response to the Motolance has been overwhelmingly positive. Many people express hope that it can save lives. The launch of this ambulance system not only generated excitement but also increased awareness of the benefits that come with innovative emergency response solutions.

A New Era in Emergency Medical Services

As the Motolance begins its journey, it stands as a symbol of hope and a commitment to saving lives. We are working on solar powered, equipping it with oxygen concentrators, twin models for remote health care clinics, multi-functionary models for diagnostic, emergency and public health care support systems on two-wheeler platforms. As innovations continue to unfold, the emergency medical services landscape is on the brink of transformation that could redefine patient care in India and beyond. We are eager to see its impact on emergency medical response and its capability to save lives worldwide. Keep an eye out for more developments on this exciting journey toward improved efficiency and exemplary patient care.



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Press Release

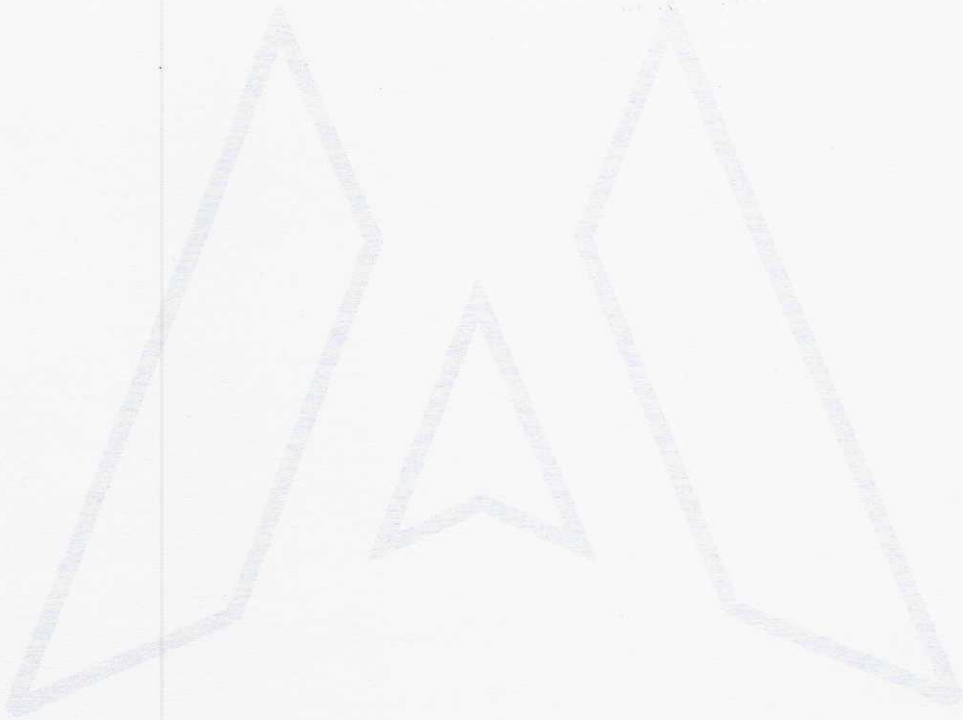
Notes to Editor

We are extremely thankful to International Road Federation-Indian Chapter; Bharat Mobility Expo 2025 Organizers; Departments of Government of India participated in organizing this successful Expo and especially Media Groups, Social Media personnel for their continuous encourage and support. Please visit www.motolance.co.in for further details.

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For Motolance Corporation Pvt. Ltd.

Director



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