

MOBILE COMMAND POST FOR INDIAN AIRPORTS


MISTRAL
... Partners in Real Time



The Airports Authority of India recently mandated the deployment of Mobile Command Posts at national airports to combat and coordinate all kinds of aviation emergencies which include fire, hijacking, natural calamities and terror in and around the aerodrome or terminals. Mistral's Mobile Command Post (MCP) has been specifically designed to address this requirement. With an ability to handle virtually any disaster situation that requires on-site multi-agency emergency coordination, Mistral's MCP is the perfect solution that caters to this emergency management.

Mistral's Mobile Command Post (MCP) is quickly deployable solution with a spacious, well equipped work space that can be customized to suit different operational needs. The MCP can accommodate any number of specialized features and its multi-functional areas provide both room and versatility.

The Key Features of a MCP include:

- Supports interoperability between agencies
- Self Contained
- Rapid Deployment
- Suitable for all type of terrains
- Supports voice, data and video communications

Mistral's MCP is an air-conditioned, four-wheel drive vehicle with hydraulic stabilizers suitable for multi-terrain. The MCP is well equipped and sufficiently ventilated for multi-hour operations. Operating as a readily deployable command center, the MCP provides a professional and



well organized space to the response team who work diligently to solve crisis situations.

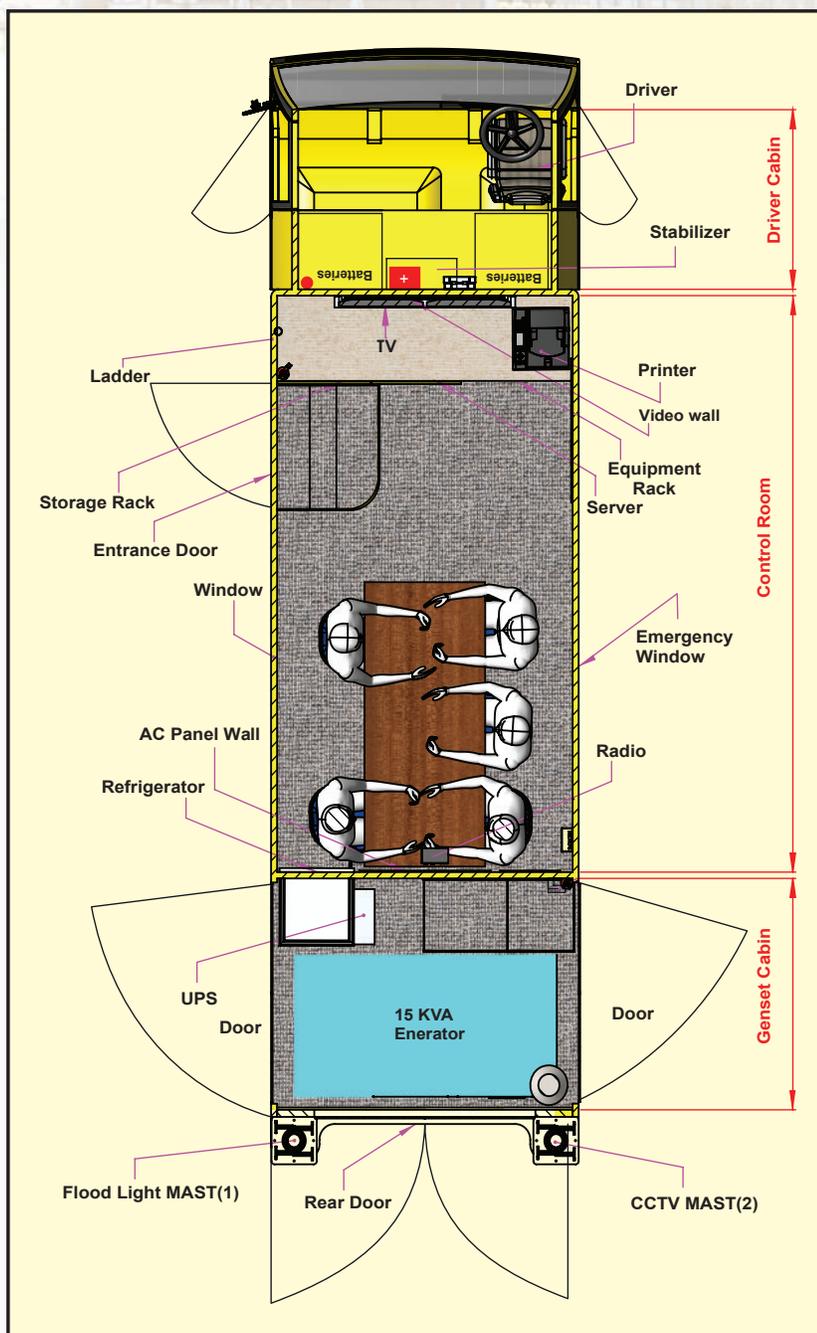
Communication Systems: The vehicle is mounted with a satellite-enabled and wireless Integrated Communication

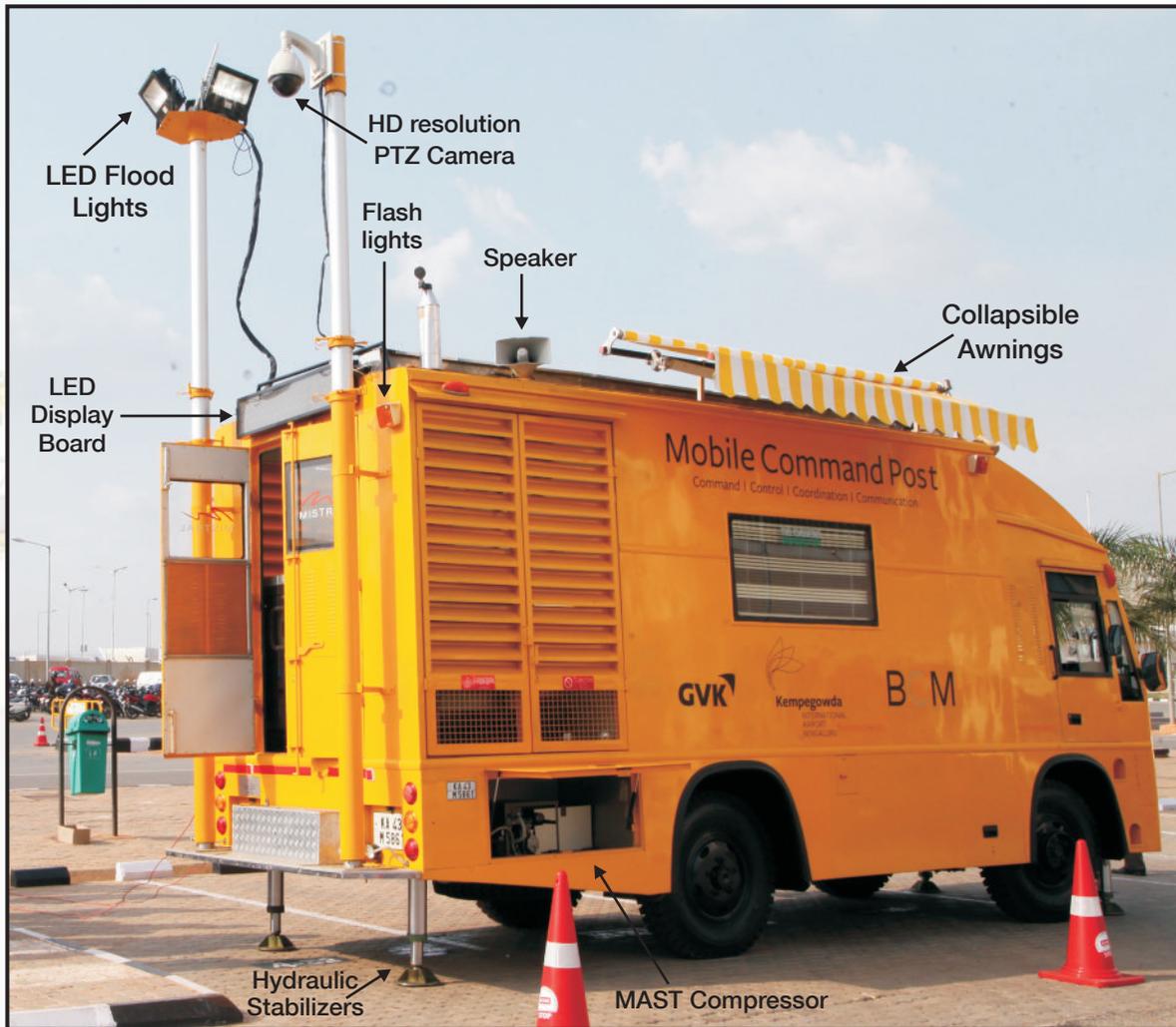
System which help control and coordinate activities with agencies that operate at different radio frequencies (VHF/UHF/HF/GSM). Once dispatched to the emergency site, the vehicle provides instant on-site and remote communication, and control of assets between the various teams deployed to handle the situation.

Power: The vehicle is self-contained in terms of power generation with a Diesel Genset and UPS supplying a back-up of up to 6Hrs. Raw power, when available, can also be used to power the electronics.

Camera/Video: The MCP is equipped with a video wall that can display live Video feed transmitted from the disaster site via 6-meter high, mast mounted PTZ Camera. This video can be further transmitted back to the Airport's Emergency Operations Centre using a real-time live video streaming device. The MCP also has another 6-meter mast with LED Flood lights, for night-time operations. An auto-tracking Mobile Dish TV Antenna provides the Mobile Command Post with all the live TV channels feeds.

All the electronics in the MCP are installed within vibration and shock-proof mounted racks to provide full protection to the equipment while driving through rough terrain.





Mobile Command Post – Features & Sub systems

Vehicle	AC, All Terrain, 2/4WD Vehicle with Hydraulic Stabilizers
Pneumatic Masts	Two Telescopic masts (up to 6m) with 40Kg head load
PTZ Camera	Mast mounted HD resolution, PTZ Camera with VMS
Communication	Integrated Communication System for Wireless Radios and GSM
IT Rack	19" rack for servers and electronics with Shock & Vibration proof mounts
Video Streaming	Real-time live Video Streaming
Video Wall	For Common Operation Picture and Situational Awareness
GPS Clocks	Two GPS based Digital Clocks showing the IST and UTC times
LED Flood Lights	Mast mounted Heavy duty LED Flood Lights for night operations
PA System	PA System with four speakers and Wireless Microphone
Satellite TV	Auto-tracking Mobile DTH TV Antenna
Display System	LED Display System at MCPV front and rear
Power System	15kVA Diesel Genset and 10kVA Online UPS with 6Hr battery backup
Portable Accessories	Laptop, Camcorder, Binoculars & Megaphone

Control Room

- ▶ Air-conditioned professional interiors with customized work stations, conference table with comfortable seating arrangements, refrigerator and office facilities including printer, fax, telephone and laptop/computer charging ports.



Additionally, the conference table is equipped with two VGA outlets, two HDMI outlets and two USB ports to connect the user laptops to LED TVs. All wiring within the MCP is properly ducted and insulated to ensure standard safety



- ▶ Portable Accessories include laptops, megaphone, video recorder & binoculars.

Optional Components

- ▶ Wireless Non Line of Sight (NLOS) Helmet Mounted or Body worn Cameras.
- ▶ Battery Powered Wireless Cameras for rapid deployment at disaster site.

Mistral has the expertise of designing a range of unique command and control vehicles (Mobile C4ISR platforms) for law enforcement agencies (police, para-military), Special Forces teams, defense, and private security agencies based on specific design requirements.

Mistral's Homeland Security team offers ready to deploy, proven, high-technology security solutions for strategic and tactical operations. Mistral has a strong engineering team that designs next generation command and control systems like the 911, Safe City or Dial 100 solutions for police or emergency operations centers.

About Mistral

Mistral is a technology design and systems engineering company providing end-to-end solutions for product design and application deployment. Mistral focuses in two business domains: Product Engineering Services & Defense and Homeland Security.

Mistral provides total solutions for a given requirement, which may include hardware board design, embedded

software development, FPGA design, systems integration and customized turnkey solutions.

Mistral's strategic partnerships with leading technology companies help provide customers with a comprehensive package of end-to-end solutions.



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