

GMR ENGINEERING & MANAGEMENT SERVICES

BRIDGE OPERATIONS



Adaptability is the name of the game as it easily overcomes any architectural challenge for seamless boarding bridge connectivity.



WE ARE:

A high quality service provider in Airport Engineering & Management Services backed up with superior service and support.



WHAT WE DO...

GEMS (GMR Engineering & Management Services) offers complete, flexible global gate solutions by providing project-tailored passenger boarding bridges (PBBs), the most diverse and demanding client requirements.

Our expertise in the airport industry allows us to accompany our clients from the design consultancy phase through to the handing over and beyond, with excellent operation and maintenance services.

Our comprehensive and integrated maintenance platform enables us to supply the best service solution for your equipment. We service and maintain all manufacturer's equipment. GEMS provides the passenger boarding bridges in Indira Gandhi International Airport (IGIA).

DIAL awarded GEMS to handle the provision of all Bridge Operations to operate and maintain and is mandatory for all the airlines operating at Terminal 3 to use this service.

As single source of aviation services, GEMS also provide other Aviation services such as Ground power supply, Pre-Conditioned air supply and Potable water uplift to aircrafts using state of the art modern electrically operated equipment, thereby significantly contributing to reduce the CO2 emissions along with help to reduce the costs in the airport eco system such as; the operations and maintenance cost along with fueling cost to airlines as well as the Ground handling agencies. This also helps to make the Airport Apron safer and agile by reducing the vehicular movement.

Bridge Mounted Equipment Solutions:

Our Offerings:



A central feature of modern airports, passenger boarding bridges are Passenger's first touch point of airport contact and last link of the travel. Airports strive to delight the passengers in its endeavor to create a pleasant memory in the mind of travelers. We at GEMS work with operators to ensure passengers enjoy a seamless and stress-free boarding and arrival experience and ensure to further elevate the passenger comfort to next level by extending seamless aviation services (PBB Operations, Ground power And precooled air supply

Currently GEMS is handling one of the largest single site FEGP asset base in India and South Asia from last 12

years. Our project-tailored passenger boarding bridges boost boarding efficiency, convenience and safety. They also meet the most diverse and demanding client requirements. Our portfolio includes solutions for all aircraft types, from the largest commercial aircrafts to propeller and regional jets.

Fit-to-purpose customization – We carefully customize each bridge to fit your airport's unique environment. The result is shorter boarding times and reduced congestion.

GEMS is solely responsible to provide bridge operations as well as maintaining each bridge at IGIA. We provides all the below services at IGIA:

1 Ground Power Unit (GPU)

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2 Pre-Conditioned Air (PCA)

- Provides pre-conditioned air for cooling needs of the aircraft when parked.
- These large air conditioners supply Cool Air to the aircraft via standard hoses.



3 Potable Water (PW)

- For use on the aircraft when flying.
- Provided through nodes present near Passenger-Boarding Bridges and via tankers.

These above services are provided at IGIA T3 for aircrafts parked on the 78 Passenger Boarding Bridges (PBB's) through Bridge Mounted Equipment (BME).

Our complete package includes preventive maintenance inspection, full maintenance, training, operation, refurbishment and modernization.

Our vast experience in airport solutions and our commitment to quality, sustainability and health and safety, assure clients that any project will be carried out successfully.

We support our customers throughout their project lifecycle, from the design to the end-of-life phase. Every step of the way, we strive to fully understand their needs and consistently deliver the safest, highest quality passenger transportation solutions and maintenance packages.

Advantages of partnering with us:

- A customized, passenger-friendly gate experience
- Lower life cycle costs.
- An experienced pool of experts for operating and maintenance.
- Optimize the usage and enhance the equipment lifespan
- Optimized safety and comfort
- Reduce the vehicular movement at stand
- Facilitate faster turnaround
- Reduce Apron emissions
- One single point of contact for a multitude of services
- Reliable Service partner for your entire product life cycle
- Lighter passenger boarding bridges
- Optimally managed maintenance windows for stand, thereby increasing the bridge availability for enhance slot management.
- Digitalized monitoring of operations of stand & aviation equipment, thereby bringing out the various hindrance to enhance the stand usage thus the airport's passenger handling capacity
- Facilitate automatic billing for usage of GPUs & PCAs
- Enhance stakeholder confidence.
- Sustainable processes



Journey till date







Highest Level (Level 4+ Transition) in ACI's Airport Carbon Accreditation



First Airport in Asia Pacific to achieve Level 4+ Accreditation



Nodal Contact Details

Roy Sebastian

roy.sebastian@gmrgroup.in
+91 9717095756

Rohit Kumar Singh

rohitkumar.singh@gmrgroup.in
+91 9717199753

www.gmrgems.com