

A CHARMING NIGHT SKYLINE FOR BUSAN BRIDGES





MACH LED SERIES

GWANGAN BRIDGE

Busan, South Korea



Bridges and road infrastructures are one of the most valuable and critically important investments and assets in any country. With the right maintenance plan and remote assistance, FAEL has been awarded the Project as the LEDs lantern supplier for different reasons among which the fact that it provides an extended products' lifetime and performance' optimization, along with fewer interruptions and no unexpected extra charges during Project fielding and activation.

The MACH' range of projectors is gracing the breathtaking skyline of Busan City by delivering ideally a variety of effects and perfect light distribution. Busan is the second largest city in Korea and its bridges cross between Yeongdu Island and the Mainland allowing the extremely busy traffic between the Marine City business district and the Mamhang-dong residential areas on the island to flow safely and quickly during the night. FAEL's MACH' range gained a "green light" after rigorous selecting third party inspection laboratory tests in conformity with the Korean Mark of Quality which led to extensive endurance tests and finally a Certification in Marine Grade heavy environments.

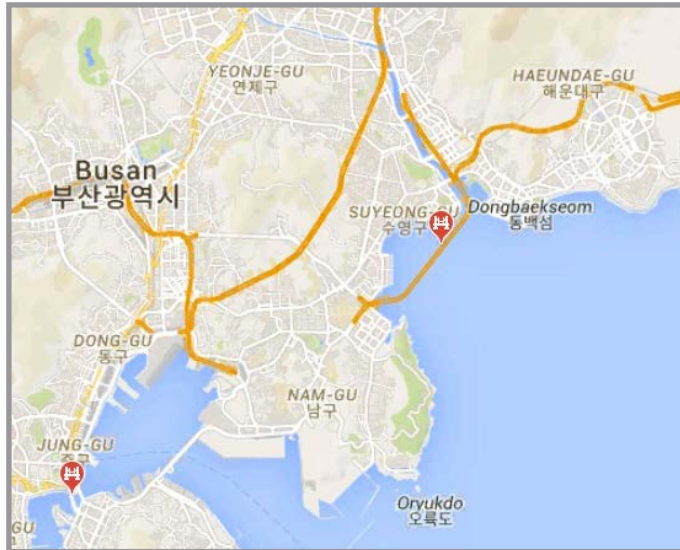


Recommendation:
KSA Korean Standards Association



In Busan, South Korea's second largest city, the already charming and high-tech Skyline is now graced during nighttime by the Lighting of one of the world's most impressive harbour roadway complexes.





An advanced powder coating process was extended and provided within FAEL' manufacturing facilities in order to achieve these requested uniformities of paint thickness that were never before produced. FAEL, through its proven high-tech know how was able to proudly affirm the reliability of its technology and the superiority of Italian manufacturing products that are furnished with a full Ten year Warranty.

WE DO IT BETTER - WE DO IT TOGETHER

MARINE GRADE ENVIRONMENTS

Oceanside or Harbour lighting installations need to tackle a specific problem: the very harsh and aggressive environmental conditions posed by the presence of large masses of salt water that can easily corrode and harm the durability of any man made artifact. Salinity and iodine corrode and destroy the properties of bitumen, concrete and brick structures and of course metals. For this reason a Marine Grade specification has been developed throughout the years and FAEL had to comply to it for this special Project in South Korea.

A Special Series of Marine Grade luminaires was developed, tested and produced featuring a body in die-cast aluminium, with the primary alloy having a low copper content ($<0,1\%$) and a Special double coating process in RAL 9006 Silver for Marine Grade >1000 Hours.

Heavy and robust stainless steel and zinc coated stirrups were specifically developed for the Project along with a brass nickel plated Cable gland (IP68).

Floodlights type: **VARIOUS LED MODELS**

