



**WE BUILD  
GREAT SPACES.**

AIDAprima

# Location is no excuse. Wherever on the planet we operate, there is no chance of compromising project quality.

## AIDAprima

**TOTAL TURNKEY QUALITY** became a very real thing in 2016 when Mitsubishi Heavy Industries delivered the AIDAprima cruise ship to AIDA Cruises. The NIT team delivered the main passenger staircases, crew staircases, SPA area and several AC rooms for this big beauty and provided important support for electrical and system installations for various areas of the ship. These sub-projects were implemented mainly as EPS (engineering, procurement & supervision) deliveries.

The distance from our home base in Finland to MHI's Nagasaki shipyard is almost 5,000 miles. We didn't think about that too much. We just needed to get things done as promised, and much more. Our skilled team and professional network lived by the changing requirements and challenging schedules. One of our key decisions was the set-up of the local subsidiary in Nagasaki and have highly experienced white-collar professionals at our on-site office. This enabled us to secure very high work quality in this important newbuilding project.

### **Facts & highlights:**

- › The ship was built in a shipyard which was new to NIT. Cultural differences led to some challenges, but thanks to friendly flexibility and curiosity, our Finnish team were able to work successfully throughout this large project in a cross-cultural environment.
- › Slow material flow due to long sea journeys and challenges with humidity related to material storage required a special focus on foresight and detailed planning in the logistics processes.
- › The character and size of the interior areas encouraged us to create a new and efficient purchasing system that helped us to keep our purchasing processes under control.
- › In our work we used European know-how: the project management team consisted of experienced Finnish professionals and the installation team comprised European nationals. During the highest period of workload, up to 700 professionals were working in our areas. Our procurement made large orders from numerous Finnish and European material suppliers.



- › Operator/Owner **AIDA Cruises / Carnival Corporation & plc**
- › Shipyard **Mitsubishi Heavy Industries, Nagasaki shipyard, Japan**
- › Tonnage **124,500 GT**
- › Length **300 m**
- › Breadth **37,6 m**
- › Capacity **3,300 passengers, 900 crew**

*“It was a pleasure for MHI to work with NIT’s professional team towards the delivery of first class quality spaces”*

**Mr. Tsuneo Satomi, General Manager Procurement  
Mitsubishi Heavy Industries, Ltd.  
Nagasaki Shipyard & Machinery Works, Japan**

*“Together with NIT the Yard realized outstanding State of the Art Public Areas on AIDAprima and AIDAprera. Areas were finished successfully with high work quality and in time. During these Projects in Japan, NIT was very capable and professional in managing different requirements and schedules. ”*

**Mr. Tim Sandbaumhüter, Senior Superintendent Public Areas & Design  
Carnival Maritime GmbH, Germany**



# PUBLIC SPACES

## MAIN PASSENGER STAIRCASES

- › Five main passenger staircases, amounting to some 4000 m<sup>2</sup>, attached a total of 53 decks with 1750 steps. We shared area borders with nine other contractors.
- › The project was delivered as an EPS project which included installation of HVAC, piping, insulation, electrical and interiors. The NIT team size for the staircases grew up to 140 people.
- › A wide selection of surface materials was used: 10 main wall coverings, six main ceiling materials and five main floor coverings.
- › The NIT logistics team managed transportation for over 100 shipments.
- › Sustainability: material life cycles were carefully considered and certified materials were selected.
- › Onsite workshop was established.





# WELLNESS

## SPA AREA

- › The spa was delivered as an EPS project with an extension of installation work. NIT provided a steel-to-steel project including HVAC, piping, insulation, electrical and interior work.
- › The total area of 2040 m<sup>2</sup> comprised a reception area, shower area and recreation area with a lounge. The spa area also included 16 treatment rooms and two wellness suites, including a private sauna, a steam shower and a jacuzzi.
- › The NIT spa team workforce grew up to 100 professionals.
- › High quality materials were selected in successful collaboration with the architect.
- › The NIT logistics team managed transportation for over 130 shipments.
- › Interior solutions: 1500 m<sup>2</sup> of tiles were installed on the floors and walls. Loose furniture was supplied by the ship owner.
- › Some of the rooms were constructed almost to final condition in NIT's subsidiary, Leo Steel, before being transported as modules to Nagasaki shipyard and final installation into the ship.



# TECHNICAL AREAS AND CREW STAIRS

## AC ROOMS

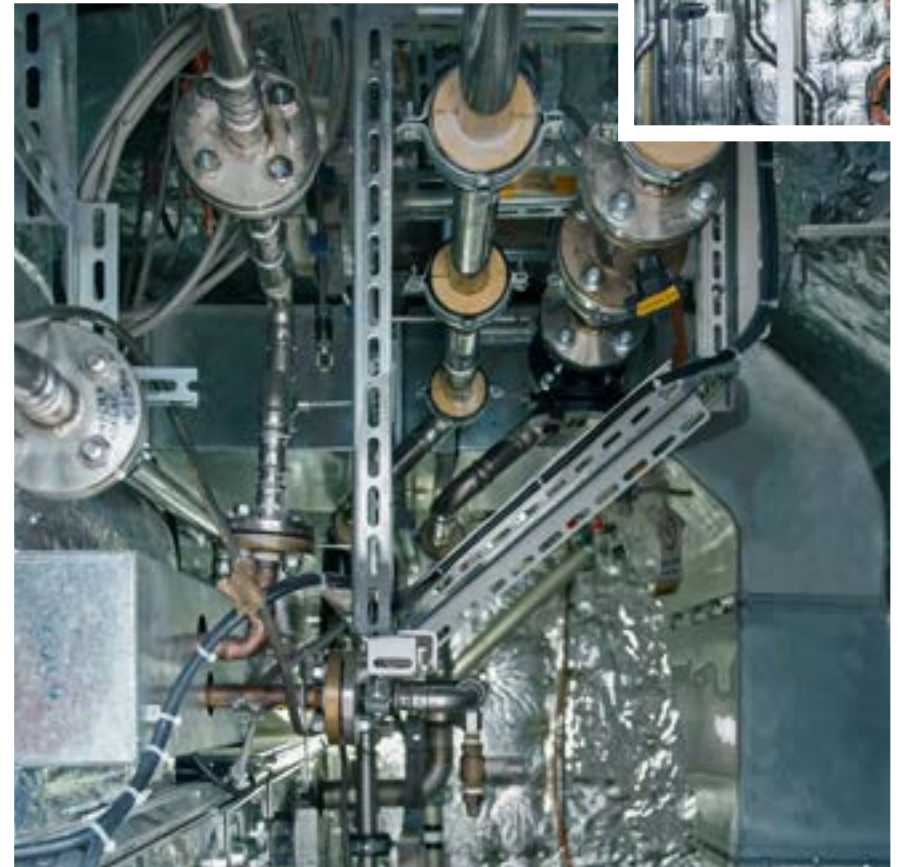
- › NIT constructed five AC rooms and provided supervision for another seven.
- › These areas covered 1050 m<sup>2</sup> and were all one deck high.
- › A total of 20 AC units were installed and 8450 metres of pipes and ducts were fitted.
- › The AC rooms were finalized by the NIT team. This team size reached up to over 50 professionals.
- › High standards of technical reliability, ease-of-use and service for the installed HVAC systems were set, and the NIT team succeeded in meeting these requirements.

## ELECTRICAL AND SYSTEM WORKS

- › NIT carried out a significant amount of electrical and system installations over the ship together with its trusted subcontractor.
- › The work was done by a team of over 170 electricians.

## CREW STAIRS

- › The NIT team installed and supervised the work on ship's crew stairs. The stairs reached from the machinery room decks all the way to the upper decks.
- › The crew stair zone covered an area of 2800 m<sup>2</sup>, built by a team of over 30 members.





**So, here we are: a team of NIT shipbuilders. The beauty is very much on the inside, in our culture of innovation, commitment and honesty.**

**Let's get things done right now.**





**Let's get great things done together.**



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