

# HVAC | UV-RACK

## Offshore Platforms and Vessels

Optimizing Air Quality and HVAC disinfection on Offshore Vessels and Platforms

### At a glance

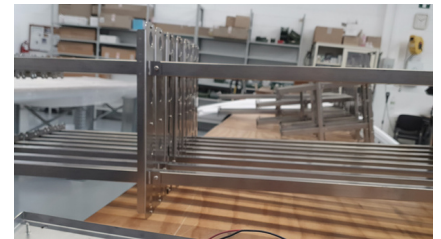
In the challenging operational landscape of gas oil platforms, maintaining optimal air quality within the ductwork is critical for personnel health, equipment longevity, and overall operational reliability.

### CHALLENGES

- Harsh offshore environment
- Continuous exposure to contaminants
- Limited access for maintenance
- Need for manual control during maintenance activities

### SOLUTIONS

We developed a customized UVC air treatment system, UV-RACK-CS-IMT-16, addressing the unique challenges faced by our client. The key features of the product were meticulously designed to meet the stringent requirements of gas oil platforms



### BENEFITS

#### 1 Stainless Steel 316L Construction

Enhanced corrosion resistance for prolonged durability in marine environments. Mitigates the risk of microbial-induced corrosion.

1

#### 2 Higher IP Rating on Control Boards

To safeguard internal components against moisture, dust, and other environmental factors.

2

#### 3 External Handle for Manual UV Treatment Control

An external handle designed for manual control of the UV treatment system. This feature allows personnel to turn the system on/off manually during maintenance inside the ducts, ensuring safety and flexibility in operation.

3

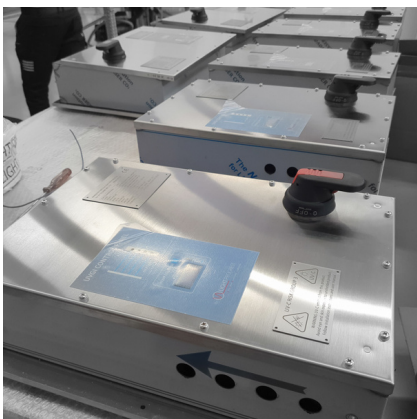
### Our Client

A leading player in the oil and gas industry, recognized the need for advanced air treatment solutions and approached us to tailor a product for their specific requirements.



### 3 TYPES

The types of platforms include fixed platforms (jackets, piles), floating platforms (semisubmersibles, tension leg platforms), and compliant towers.





## BENEFITS AND RESULTS



Facilities  
Evaluation



Commissioning  
the Project



Manufacturing  
& Delivery

### Improved Air Quality:

The UVC air treatment system effectively neutralizes airborne pathogens, contributing to enhanced indoor air quality for personnel working in confined spaces.

### Reduced Downtime:

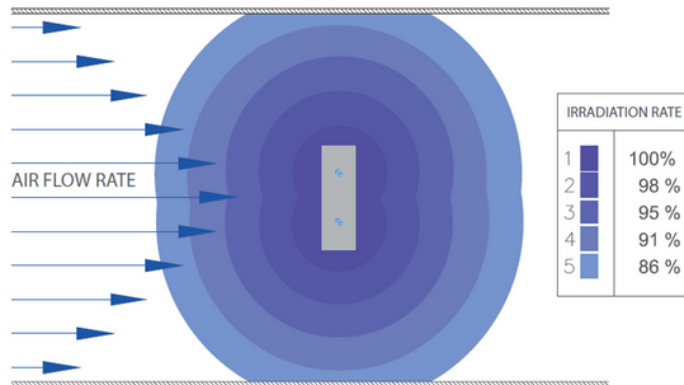
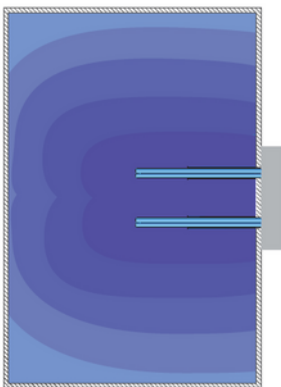
Manual control through the external handle facilitates swift maintenance activities without causing disruptions to the overall operations.

### Extended Equipment Lifespan:

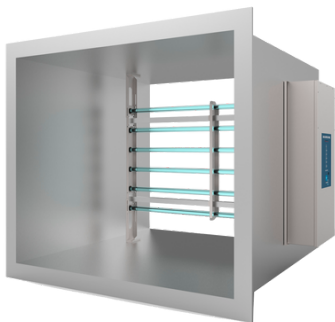
Stainless steel construction and advanced corrosion resistance features contribute to the longevity of the UVC air treatment system, minimizing the need for frequent replacements.

### Enhanced Safety:

The customized solution prioritizes safety by providing manual control, ensuring that maintenance personnel can safely perform tasks within the ducts without compromising on air treatment.



## CONCLUSION



Our tailored UVC air treatment solution, UV-RACK-CS-IMT-16, has proven to be a pivotal asset for gas oil platforms, addressing unique challenges and contributing to a healthier, safer, and more efficient operational environment. As we continue to innovate, our commitment to delivering solutions that withstand the rigors of offshore environments remains unwavering.

Explore how our tailored solutions can elevate your air quality standards. Contact us for a consultation: [info@lightprogress.it](mailto:info@lightprogress.it)