



Roxtec on site

Sealing solutions for the tightest lab in Japan



Maintaining air-tightness

The Takenaka testing facilities for containment technology in Inzai-City are air-tight and gas-tight thanks to Roxtec seals.

"Roxtec seals are indispensable for air-tightness. And air-tightness is a must if you work with infectious viruses such as ebola," says Hayato Yamamoto, mechanical and electrical engineer of the engineering department of Takenaka Corporation.

Highest safety level

Takenaka has designed and built the containment testing facilities to show their customers within regenerative medicine, bio-medicine and infectious disease prevention how to achieve the ultimate

Roxtec cable and pipe seals prevent leakage from containment rooms.

roxtec.com/takenaka-lab

"Roxtec seals are the powerful solution to ensure air-tightness."

Hayato Yamamoto, Takenaka Corporation

safety level. Cable and pipe penetrations sealed with caulking materials have been the primary cause for water leaking into and particles escaping from bio-clean and containment rooms, so Takenaka focused on finding a certified solution to propose for this challenge.

Takenaka is researching and developing within advanced control technology of room pressure and airflow. By using Roxtec seals, they are able to experiment in various air-tightness levels.

Roxtec transits are easy to adapt for efficient sealing around cables and pipes of different sizes in panel walls, panel ceilings and decontamination shower booths. The transits also enable design changes and additional cables, pipes and equipment.



Top-level safety



The Takenaka lab achieves top-level air-tightness in Japan. According to public reports, the panel structure has a higher level of tightness than in similar facilities.

Why use Roxtec?

- Air-tight and gas pressure resistant
- Fumigation resistant
- Easy to install, inspect and maintain
- Uniform construction quality
- Openable for engineering changes
- Spare capacity for retrofit and upgrades

Project facts

Project description

Construction of a first class bio-safety containment testing lab at the Takenaka Research & Development Institute in Inzai-City, Chiba, Japan

Owner, design and construction

Takenaka Corporation

Applications

Cables, pipes and pitot tubes penetrating panel walls, panel ceilings and the decontamination shower booth

Sealing requirements

- Air-tight
- Fumigation resistant
- Uniform construction quality

Roxtec products

Roxtec G and GH transits in high finish surface AISI 316L with adaptable rubber modules and compression units as well as a Roxtec RS OMD seal

See more on roxtec.com/takenaka-lab

Protecting life and assets

Roxtec is the world leader within flexible cable and pipe transits. Since the start in Sweden in 1990 we have grown successfully to cover all continents. Our passion is innovative sealing solutions, and our goal is to make our world a safer place.

- Extensive R&D resources and advanced test facilities
- Customers in more than 80 markets
- Inventor of Multidiameter™

