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# Chinese firm unveils revolutionary solution for patient isolation

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**Facilitates erecting a 6+ square meter single-person negative pressure isolation room in just 10 minutes**



JUD care, a leading high-tech enterprise in the field of smart medical and healthcare solutions in China, has kicked off its international partner program for its newly-launched portable ward sRoom ("sRoom"), a revolutionary solution for patient isolation that enables medical staff to quickly set up emergency isolation rooms in different locations. In just 10 minutes, a 6+ square meter single-person negative pressure isolation room can be erected, making it an important equipment for health emergencies, especially when it comes to combating infectious diseases.

"Empowering Healthcare with Technology and Commence is a revolutionary solution for instant isolation, helping medical staff to implement fast and reliable interventions to contain the spread of the virus. We welcome more people to join us as our international partners in this global battle," said He Wei, COO of JUD care.

The sRoom offers complete isolation, advanced filtration, and fresh-to-dirty airflow, creating a negative pressure environment that prevents contaminated air leakage and reduces the concentration of infectious particles inside the room. The fireproof canopy creates an airtight space, and the automatic door lock system eliminates hand contact, thus reducing any risk of transmission. Meanwhile, multiple air filters supply fresh air at a rate of $150m^3/h$, while the exhaust outlet with HEPA filter and double disinfection system captures over 99.99% of particles, ventilating the room more than 12 times per hour to reduce the concentration of pathogens.

To create a smart and efficient medical environment, the sRoom is equipped with a wide range of intelligent interactions. It monitors and displays critical information on the LCD touchscreen in real-time, including room pressure, temperature, humidity levels, air quality, and more. Meanwhile, the adjustable temperature control system maintains a temperature of between 20-26°C, creating a comfortable medical environment.

It is also safe and reliable with an emergency back-up power supply and dual control system, as well as automatic reminders that flag the service life of components, the sRoom maintains operations in the case of power failure.

Moreover, this cost-effective solution is highly mobile and easy to deploy with universal wheels and compact shape when folded. When set up, the sRoom can accommodate a hospital bed, medical equipment, and even a built-in dry toilet, socket, and oxygen pipe. After use, the metal frame and reusable tarp can be simply disinfected, folded, and stored.