

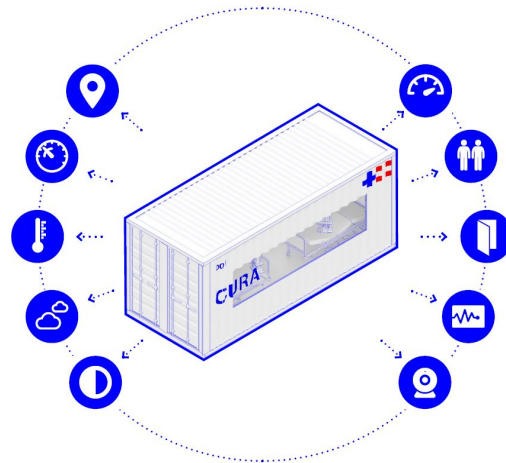
Aalborg, Denmark
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COVID-19: Saving Lives with the Internet of Things

Danish companies Seluxit and Onomondo use their advanced technology to fight COVID-19

Seluxit and Onomondo wanted to help during these difficult times of corona. They found their opportunity with CURA, an international effort transforming shipping containers into intensive-care units.

The CURA project ("Connected Units for Respiratory Ailments") was started in Italy in response to the Corona Crisis. By using shipping containers, the CURA design allows new intensive-care units to be deployed as fast as building a tent. However, the CURA pods are as safe as a regular isolation ward, thanks to biocontainment technology.



Seluxit and Onomondo's role is to collect data from the so-called CURA pods. The data is telling hospitals about the status of the intensive-care units. Data about air pressure, for example, is critical to make sure the pods' biocontainment technology is working properly. Alerts are sent when filters need to be changed.

In the future, Seluxit and Onomondo's solution will allow doctors to remotely check in on how the patients are doing, and even allow patients' relatives to communicate with their loved ones.

Seluxit CEO, Daniel Lux explains: "The Internet of Things can do a lot of good in the world, but talk is cheap. That's why we are happy we have found a project that allows us to actually take action during this crisis."

Onomondo CEO, Michael Freundt Karlsen, continues. "When we heard about the CURA project, we immediately knew that we had an opportunity to contribute and to make a difference in the battle against COVID-19. This is a global crisis requiring a rapid global response and we have the unique ability, and therefore responsibility, to help provide that."

Seluxit and Onomondo's existing technology is almost tailor-made for a project like this. Seluxit's recently launched SLX Porcupine is at the heart.. SLX Porcupine is a versatile minicomputer dedicated to collecting the data needed for creating intelligent applications. Onomondo's global IoT network makes sure the pods' data gets to where it needs to go in a secure manner, no matter where in the world the CURA pods are.



CURA is an open-source project, meaning anybody in the world can make their own CURA pods. The project was initiated by the design and innovation office CRA-Carlo Ratti Associati, along with an international task force of architects, engineers, doctors, military experts, and NGOs. For the full list of contributors please refer to the website <https://curapods.org/credits/en>

About CURA

[CURA](#) is an open-source design for emergency COVID-19 hospitals. It uses repurposed shipping containers to create plug-in Intensive-Care Units (ICU) with biocontainment through negative pressure. CURA is supported by the World Economic Forum (COVID-19 Action Platform, and Cities, Infrastructure and Urban Services Platform). The project's first unit has been developed with the financial sponsorship of the Pan-European bank UniCredit and is currently installed at a temporary hospital in Turin, Italy.

About Onomondo




[Onomondo](#) is a global cellular IoT connectivity solutions provider focusing 100% on connectivity within the area of Internet of Things (IoT). The company has created a globally unified IoT network based on more than 700 mobile networks in 185 countries, offering improved security and scalability.

About Seluxit

[Seluxit](#) was founded in 2006 with the dream of creating the intelligent house; a house that not only makes daily life easier but also automatically reduces our energy usage. Seluxit has developed a comprehensive, technical platform that quickly, easily and at low cost can digitize companies' products, benefiting both them and their customers.

Media Kit

Resources, CURA

 <p>CONNECTED POD Concept</p> <p>CURA was conceived as a connected POD, reporting on the vitals of the ICU environment in real time.</p>	<h3>List of people and organizations who have contributed thus far to CURA:</h3> <p>ORA-Carlo Ratti Associati with Italo Roca / Design and Innovation</p> <p>Humantes Research Hospital / Medical Engineering</p> <p>Policlinico di Milano / Medical Consultancy</p> <p>Jacobs / Alberto Riva - Master Planning, Design, Construction and Logistics Support Services)</p> <p>MIT Senseable City Lab / Research</p> <p>Studio FM Milano / Visual Identity & Graphic Design</p> <p>Squint/Opera / Digital Media</p> <p>ICG Engineering / Fulvio Sabato - Safety and Certifications</p> <p>Alex Neame of Team Rubicon UK / Logistics</p> <p>Nain Pavanello of Projeqa / MEP Engineering</p> <p>Dr. Maurizio Lantiano of Ospedale Cattolico / Medical Consultancy</p> <p>Phillips / Medical Equipment Supply</p> <p>Gruppo Borsari / Painting Products</p> <p>Patricke Maria / Market Research</p> <p>Seluxit & Onomondo / Global IoT Solutions and Connectivity</p> <p>With the support of the World Economic Forum: COVID-19 Action Platform, and Clivio, Infrastructure and Urban Services Platform.</p>	<h3>COVID-19: Open-source design helps turn shipping containers into Intensive-Care Units at record speed</h3> <p>Just five months after the launch of CURA – a global open-source initiative aimed to create self-shipping containers able to plug in Intensive-Care Units (ICU) patients – the first unit is built and installed in a temporary hospital in Rome, Italy, with the sponsorship of UniCredit. Each CURA pod is as fast to be installed as a hospital ward, but as safe as a complete modular ward. Thanks to its modularity and negative pressure, several units can be used consecutively in other parts of the world.</p> <p>As the COVID-19 pandemic spreads increasingly, the first prototype of an open-source project to reuse plug-in intensive care units (ICU) that require intensive care has been installed in a hospital in Rome. CURA, conceived by "Carroll Ratti Associati" and the "ORA" (ORA) project, a public-private partnership to create emergency facilities and new equipment in the wake of the COVID-19 pandemic, is now being installed in a temporary hospital in Rome. The CURA pod is as fast to be installed as a hospital ward, but as safe as a complete modular ward. Thanks to its modularity and negative pressure, several units can be used consecutively in other parts of the world.</p> <p>As the COVID-19 pandemic spreads increasingly, the first prototype of an open-source project to reuse plug-in intensive care units (ICU) that require intensive care has been installed in a hospital in Rome. CURA, conceived by "Carroll Ratti Associati" and the "ORA" (ORA) project, a public-private partnership to create emergency facilities and new equipment in the wake of the COVID-19 pandemic, is now being installed in a temporary hospital in Rome. The CURA pod is as fast to be installed as a hospital ward, but as safe as a complete modular ward. Thanks to its modularity and negative pressure, several units can be used consecutively in other parts of the world.</p>	 <p>Each container module is designed for Intensive-Care Units (ICU) patients. The pods are installed in the wake of the COVID-19 pandemic.</p>
<p>Connected Pod Concept</p>	<p>List of Contributors</p>	<p>CURA press release (English)</p> <p>CURA press release (Italiano)</p>	<p>CURA website</p>
			
<p>Photos of actual CURA deployments</p>			