

Innovative AV Technology for Europe's Most Advanced Simulation Centre

Masaryk Universität

Faculty of Medicine –
SIMU Simulation Centre



Equipment



56 simulation rooms
11 control rooms
7 debriefing rooms



1 mobile SIMStation Control Unit



SIMStation Software 6.0,
in use prior to official release



59 cameras
60 microphones
14 media screens
VoIP & patient monitors



Central server infrastructure
incl. 6 dedicated audio servers

Masaryk University in Brno is one of the largest universities in the Czech Republic. Since its opening in 2020, the SIMU Simulation Centre has welcomed up to **5,000 students each year**, completing **thousands of training hours** – with AV-based simulation established as a core element of the curriculum and an integral part of medical education.

Project Overview

From the earliest planning stages, Masaryk University relied on SIMStation – implementing one of the most comprehensive SIMStation setups worldwide. This customized all-in-one solution with a centralized server architecture enables seamless recording, control, and debriefing of all medical training activities.

Innovation in Practice

The vision behind SIMU: to make **AV-based simulation the centerpiece of medical education and an essential part of the curriculum**. With SIMStation, scenarios are captured, transmitted, and systematically analyzed in real time – **creating a results-oriented interplay of recording, live streaming, and video debriefing**. Students benefit from highly realistic training environments, faculty members gain access to powerful analysis tools, and the institution secures a future-proof AV system.

Perspectives from the Field

For us at SIMU – the largest simulation centre in Europe – SIMStation is the perfect AV simulation system thanks to its unique combination of flexibility and reliability. With fixed and mobile solutions, around 4,700 students can gain valuable practical experience through video-based simulation training each year.

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Your project, our commitment –
from the very start.



Get started now:
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