



THE UNIVERSITY  
of ADELAIDE



# ADELAIDE HEALTH SIMULATION

State-of-the-art education and skills assessment.  
Advanced organisational human-factors training.

[health.adelaide.edu.au](http://health.adelaide.edu.au)

# WELCOME

“ It is with great pride that I invite you to enjoy and marvel at this introduction to Adelaide Health Simulation (AHS)—the most technologically advanced simulation facility in Australasia.

We first developed our vision for this world-class education, training and assessment resource in 2011; and in the years since have invested significantly in cutting-edge technology and staff expertise to make that vision the exciting reality you see today.

Rest assured, that investment will continue. The AHS leadership team is constantly looking to enhance their offering's value and benefit for the entire community—our future health workforce, health educators, and organisational leaders seeking to give their people a performance edge.

Whichever of these groups you are part of, I am sure that you will find the training and assessment capability you are looking for at Adelaide Health Simulation.

”

Regards,



Professor Alastair Burt  
Executive Dean  
Faculty of Health and Medical Sciences



# AUSTRALIA'S HEALTH SIMULATION BENCHMARK

Whether for clinical examinations, professional development or healthcare-related conferences, Adelaide Health Simulation's facilities are world-class.

Located in the University of Adelaide's stunning Adelaide Health and Medical Sciences building in the heart of the BioMed City precinct, the centre represents the cutting edge of technology-enhanced learning and assessment.

Importantly, our highly qualified and experienced interprofessional staff understand how to apply this advanced capability to deliver the: deepest student learning; most efficient and effective client service; and ultimately, the greatest community health benefit.

We also have full access to the University's considerable resources—including academic, legal and marketing—enabling us to assemble an outstanding, expert team for virtually any health-related event or project.

We look forward to working with you.



**Adam Montagu**

**Director**

Adam sets the highest standards in simulation-enhanced interprofessional education delivery. A certified healthcare simulation educator, he also has extensive clinical and leadership experience in emergency and critical-care environments.



**Sam Ruff**

**Business Manager**

Sam oversees the centre's operations. Whatever your service and logistical needs, she'll work closely with you, Adam and the University's academic staff to ensure they're met. She has a strong background in event and conference management, and impeccable attention to detail.





# OUR VISION

Adelaide Health Simulation aspires to ensure the highest standards of patient-centred care by providing our future health workforce with the most realistic, immersive and holistic technology-enhanced training possible—in all regards, the equal of any in the world.

# OUR MISSION

To achieve our vision, we'll match world's-best simulation technology with sound, evidence-based educational principles. We'll cultivate an environment in which students and educators across multiple disciplines feel safe to explore knowledge collaboratively, and learn from each other's mistakes. We'll rapidly respond to emerging community needs in patient care; and we'll equip students with advanced problem-solving and human-factors capabilities that they will carry for life.

# EXAM HOSTING CAPABILITIES

## FULL ASSESSMENT AUTOMATION

No more flying in multiple staff. No more collating large stacks of exam papers. Adelaide Health Simulation (AHS) puts technology to work for you.

### It starts with secure RFID 'tap on'

Once your candidates have verified their identity at check-in, they receive a personalised radio-frequency identification (RFID) card. This is then used to enter their designated assessment room by 'tapping on' at a touch-screen tablet, ensuring only the correct candidates can sit your exams.

Tapping on also triggers a personalised on-screen 'door note', telling the candidate exactly what the assessment task requires. In these notes, you are no longer limited to text—ECG images, X-rays and photographs can all be displayed.

### Digital marking

After the candidate enters the room and begins their exam, an assessor observes either in the room—next to a wireless laptop (provided)—or remotely via live streaming and digitally enters marks as assessment progresses.

All exam flows are customisable to suit your specific requirements, and examiners have the choice to assess candidates either synchronously or asynchronously.

When assessment's complete, results are automatically saved to a secure database, which you can access remotely by the end of the same day using your unique login and password. You can do this from any computer with internet access, in any location.

### Full video recording and live streaming

All 24 Adelaide Health Simulation assessment rooms are fitted with microphones and cameras, in addition to patient monitor, HDMI and DVI devices. Every assessment encounter—and digital information source, such as a patient monitor, ultrasound or x-ray image—is captured in the recording. This brings many benefits, including:

- rapid results verification, should there be queries
- post-assessment candidate reflection and review for deeper learning
- the ability, with video live-streaming, for your staff to view and assess proceedings remotely.



# OUR WORLD-LEADING FACILITIES AT A GLANCE

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**24 simulation rooms, all with high-quality sound and video recording**



**12 high-fidelity hospital suites, with functioning oxygen, suction and call bells**



**Touch-screen tablets outside all rooms, with secure radio-frequency identification (RFID) card readers**



**Extensive simulation equipment inventory**



**Highly experienced, patient-focused staff with University of Adelaide subject-matter experts available in many health disciplines**



## WORLD-LEADING B-LINE TECHNOLOGY

Adelaide Health Simulation houses Australasia's largest installation of B-Line Medical SimCapture Enterprise Plus video and data integration technology. This proven, state-of-the-art platform is used in over 500 institutions globally, including Harvard, Yale and Stanford universities.

Since our B-Line installation in 2017, we've conducted over 100 clinical examinations and recorded more than 20,000 learning events.

### Support every step of the way

Our expert technical staff are highly experienced at running high-fidelity simulation events and conducting examinations within our centre. They will be on-hand to set up and operate our technologies to ensure your learning and assessment needs are met.

### Big cost savings

Adelaide Health Simulation's unique combination of expert staff, extensive automation, and video recording and streaming, can deliver significant potential cost savings over less advanced external clinical exam processes. This is because:

- you don't have to fly in lots of staff, so save on flights, transport, accommodation and time off in lieu
- we're just a 10-minute drive from Adelaide Airport, so transport costs for those staff who do attend are low
- staff support your exam from a technical perspective, and all equipment is provided, eliminating the cost of transporting your own
- plenty of meeting rooms are available, so no external hire costs
- all results are digitally collated and available for remote viewing at day's end, reducing printing and courier costs.

### Complete peace of mind

We appreciate that conducting a clinical assessment is a sensitive, high-stakes exercise. Accuracy, security and regulatory compliance are paramount.

You'll benefit from:

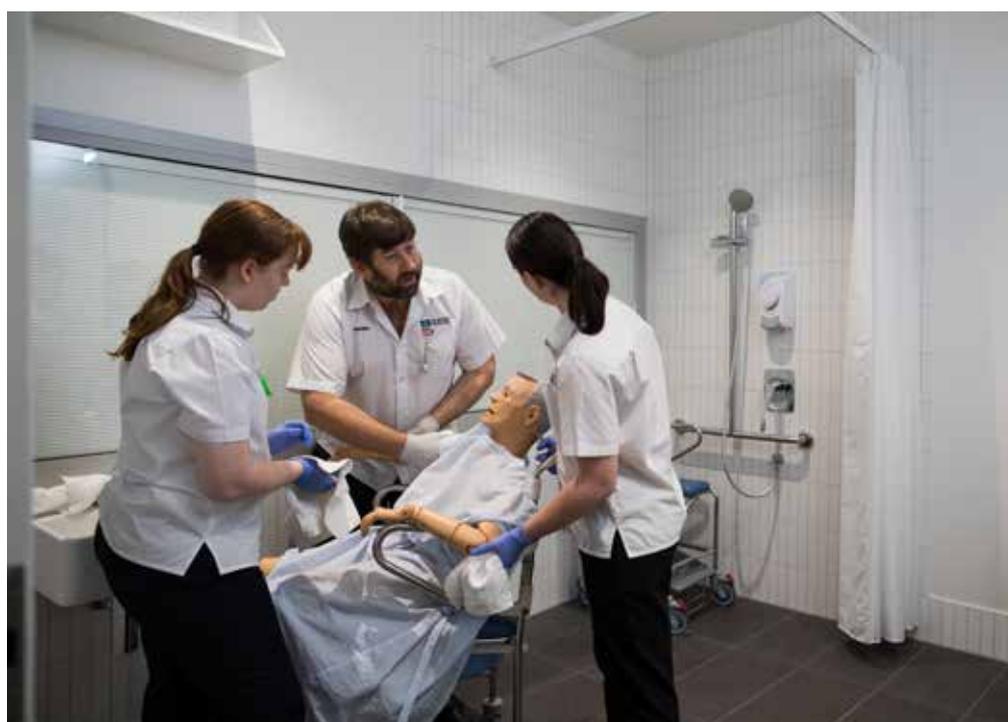
- access to world-class University of Adelaide subject experts in many areas of health
- bright, clearly delineated exam areas in a dedicated educational facility that are not shared with patients and visitors
- all exam results being captured digitally and automatically saved in a secure database
- all proceedings being recorded for future reference.



### An enviable equipment inventory

Adelaide Health Simulation has an outstanding variety of modern medical equipment on-hand for use in your assessment(s). This includes:

- high-fidelity manikins, covering both sexes and representing the lifespan; including infant, paediatric, maternity and trauma
- neonatal and resuscitation equipment
- anaesthetic booms
- anaesthetic machines
- ventilators
- video laryngoscopes
- ultrasound machine
- pumps and syringe drivers
- resuscitation trolleys
- simulated medication and pharmacy
- bariatric and lifting devices
- barouches and hospital beds
- ECG and physiological monitoring equipment.



## LARGE POOL OF 'STANDARDISED PATIENTS'

Through Adelaide Health Simulation you have access to up to 60 actors, who can add vital realism to your exam(s) as standardised patients. Where necessary, we can provide them with additional specialist training to convincingly perform any specific roles you require.

We also have a fully equipped in-house make-up room and moulage to ensure they look the part.



# BESPOKE TRAINING CAPABILITIES

## TAILORED HEALTH SIMULATION

If your health facility or organisation has its own specialised medical or simulation equipment, we can help your people gain maximum benefit from it.

### Your place or ours

Our Adelaide Health Simulation team is highly experienced in working with all kinds of medical and health simulation equipment. So whatever level of technology you have, we can tailor an engaging training session, or multi-part program, to help you extract full developmental value.

We can do this on-site in your premises. Or your people can come to us.

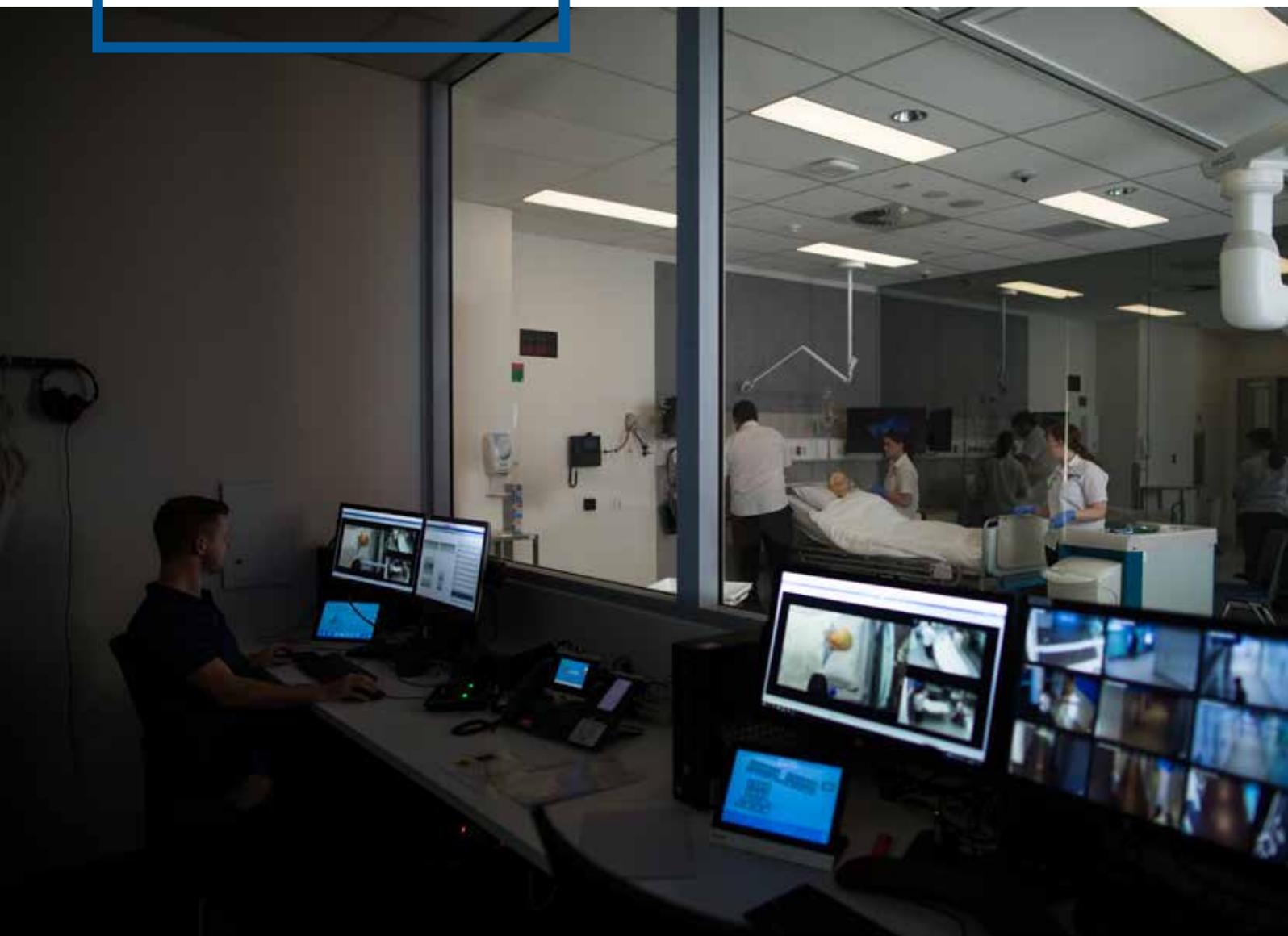
Either way, we greatly value these opportunities to collaborate, and will work closely with you to develop a mutually rewarding relationship.



## AUSTRALIAN ARMY RESERVE

Adelaide Health Simulation has helped Australian Army Reserve health personnel prepare for active service.

We set up a simulation room as a replica field hospital—complete with full camouflage gear, battle sounds, and genuine Reserve medical equipment—and participants were required to assess and manage soldiers arriving with complex traumatic injuries.



## KPMG

Adelaide Health Simulation conducted a custom training workshop for global accounting and corporate advisory firm KPMG (Adelaide), to enhance their staff's capacity to work effectively as a team under pressure.

The KPMG staff first watched a simulated medical emergency, acted out by our team. We then discussed their observations of the human factors at play; who handled the high-stress situation well, who didn't, and what behaviours contributed. Next, we taught the KPMG team basic life support and put them into their own simulations to apply and cement their learning.



# CUSTOMISED CORPORATE PROFESSIONAL DEVELOPMENT

Many of the skills developed at Adelaide Health Simulation are valuable in the business world. We can help your people acquire them.



## Master vital 'human factors'

Our high-quality simulation training is a perfect vehicle for developing performance-critical interpersonal skills, such as effective:

- communication
- teamwork
- rapport building
- interviewing
- feedback delivery
- decision-making under pressure.

We can work closely with you to fully understand your organisation's professional development (PD) needs, and tailor a high-impact simulation-enhanced training workshop or program to achieve all priority objectives.

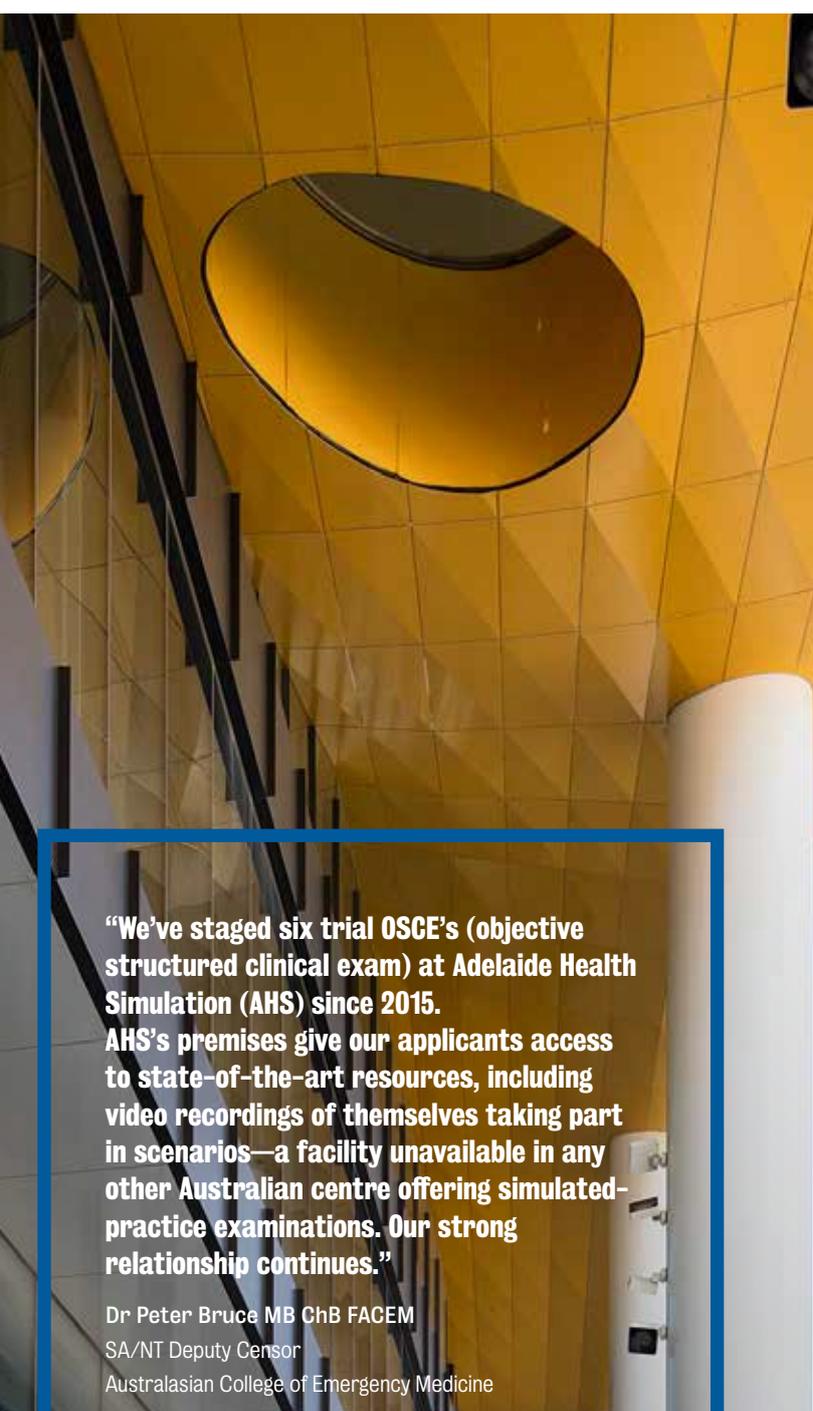
With up to 24 simulation rooms available—all with full video and AV facilities—we can comfortably accommodate large groups of participants.

## Long-lasting value

Although your people will benefit from our high-level, intensive human-factors training immediately, the value of the experience will not end there.

As we offer the ability to record every session in every room—from multiple angles—all participants will be able to review, reflect on, and learn from, their performance for months afterwards.

# TRUSTED TO DELIVER



**“Adelaide Health Simulation (AHS) is a fit-for-purpose facility for running college oral exams. The facilities are well designed, enabling easy access to the next station in a bright, well-lit environment, and the in-built assessment system is easy to use, even for the most technically challenged examiner. The facility is well run and has a range of support experts on-hand if there are any issues. I would thoroughly recommend AHS as a venue for running oral examinations.”**

**Dr Brendan Grabau**

Deputy CEO and Director Education and Training  
The Royal Australian and New Zealand College of  
Obstetricians and Gynaecologists

**“We’ve staged six trial OSCE’s (objective structured clinical exam) at Adelaide Health Simulation (AHS) since 2015. AHS’s premises give our applicants access to state-of-the-art resources, including video recordings of themselves taking part in scenarios—a facility unavailable in any other Australian centre offering simulated-practice examinations. Our strong relationship continues.”**

**Dr Peter Bruce MB ChB FACEM**

SA/NT Deputy Censor  
Australasian College of Emergency Medicine



**“In Adelaide Health Simulation, the University of Adelaide has commissioned one of the southern hemisphere’s most technologically advanced purpose-built simulation environments. At Mediquip we’re proud to provide advice, support and product to such a prestigious organisation; one that’s more than happy to share its expertise and experience with the wider simulation community.”**

Dana Supramaniam  
Sales & Applications Engineer – Healthcare Simulation  
Mediquip

**“Adelaide Health Simulation (AHS) helps us provide quality professional development activities to emergency nurses. As well as maintaining a high level of professionalism and realism in their high-fidelity simulations, the AHS team has assisted us in broadcasting our education events to members throughout the state and across Australia, and providing our regional and rural members with a high level of interactivity through their videoconferencing facility.”**

Jack Fabian  
SA Branch President  
College of Emergency Nursing SA Branch

# FUTURE PROOFING

Generous contributions from health care equipment providers have contributed to Adelaide Health Simulation's reputation as the most technologically advanced simulation and assessment facility in Australia.

Valuable relationships with key industry partners has led to the Adelaide Health Simulation team securing significant contributions to the critical care hospital simulation suites in the Adelaide Health and Medical Sciences (AHMS) building.

As leaders in our field, we are always looking for new ways to integrate technology into our teaching. Interested parties are welcome to contact us at [simulation@adelaide.edu.au](mailto:simulation@adelaide.edu.au) to explore potential options.

The contribution of these companies is indicative of the quality of innovative education we provide and the strong reputation of our centre among key stakeholders and industry partners.



**Dräger**

**STORZ**  
KARL STORZ — ENDOSKOPE

**LifeHealthcare** 



**B-LINE MEDICAL®**

# IDEAL CONFERENCE LOCATION

Adelaide Health Simulation is perfectly situated for conferences of all kinds, in the heart of Adelaide's renowned BioMed City precinct.

## Either host here...

We have ample capacity to host events for up to 200 delegates in our own building, with full access to:

- 24 simulation rooms for workshops
- a large simulation room for group demonstrations, with eight surrounding break-out spaces
- Two large lecture theatres, with state-of-the-art AV technology
- advanced video-conferencing
- quality nearby accommodation
- well serviced by public transport
- optional full catering.

## ...or at the Adelaide Convention Centre

Events involving more than 200 delegates can be based at the Adelaide Convention Centre, with hands-on simulation workshops and demonstrations conducted here at Adelaide Health Simulation.

We're just five minutes' walk along North Terrace.



# LET'S TALK

If your organisation could benefit from Adelaide Health Simulation's world-class assessment and training capabilities—both technological and human—don't hesitate to get in touch. After confidentially discussing your specific objectives we'll prepare a detailed, fully costed proposal.

Similarly, should you require advice on developing and governing your own simulation centre, or employing simulation-enhanced education, Adelaide Health Simulation Director Adam Montagu is available for consultancy.

## Adelaide Health Simulation

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