



# SABRENet

South Australian Broadband  
Research & Education Network

## SABRENet

The South Australian Broadband Research and Education Network (**SABRENet**) is the fibre optic network that connects major Research and Education sites in Adelaide, including university campuses, research precincts, teaching hospitals, TAFEs and schools to local, national and international research and education resources.

**SABRENet Ltd** is a non-profit public company formed to oversee the development, management and effective use of SABRENet.

The Members of SABRENet Ltd are Flinders University, the University of Adelaide, the University of South Australia and the South Australian Government.



These Members together with the Defence Science and Technology Organisation are the Founding Participants of SABRENet Ltd.

The strategic role of SABRENet Ltd is to raise South Australia's research and education performance by deploying and enabling specialist broadband and related services on behalf of its members and customers.

SABRENet Ltd's strategic goals are to;

- Build, own and operate core infrastructure;
- Interconnect South Australia's Research and Education sector;
- Link South Australia's Research and Education sector with the rest of the world;
- Drive the deployment and effective use of bandwidth-dependent applications for Research and Education;
- Link public and private sector Research and Education;
- Provide value to the SABRENet Members; and
- Provide leadership on broadband issues within the Research and Education sector.

## A Collaboration Success Story

Collaboration is a fundamental part of SABRENet's success and working collaboratively is a fundamental part of the company's DNA. Through the united action of its Members the company has created a substantial fibre optic network asset with a management model that delivers outstanding and enduring value to its members and customers.

As an integral component of the Australian Research and Education Network (AREN), SABRENet collaborates with AARNet, to deliver value added services to the South Australian research and education community. This partnership provides a highly effective and attractive connection service for schools.

The Government of South Australia's membership of SABRENet assists with the delivery of services into the school, TAFE and research sectors within government. Additionally, it has facilitated collaboration with infrastructure agencies, resulting in mutually beneficial projects to extend the reach of the SABRENet network.

The SABRENet connections for all of the major teaching hospitals in Adelaide offer opportunities for collaboration across the health sector. A joint project between the SABRENet members is using the network to introduce the Eduroam service into Adelaide's teaching hospitals.

SABRENet's highly efficient operating model is underpinned by a long term arrangement with Amcom Pty Ltd to operate and maintain the network.

The extent of collaboration associated with SABRENet illustrates that it has become more than a fibre optic network. It is a vehicle for joint action to deliver improved levels of service across the South Australian research and education community.

# AARNet (Australia's Academic and Research Network) is widely regarded as the founder of the Internet in Australia and renowned as the architect, builder and operator of world-class network infrastructure for research and education.

By providing the tools and services that enable like-minded collaborators in the research and education sector to work together, AARNet plays a vital role in the incubation of innovation.

## Fast Facts

- Not-for-profit company
- Owned by 38 Australian universities and CSIRO
- Licensed telecommunications carrier
- Funded through membership subscriptions
- Supported by Commonwealth investments
- Owns or has direct access to fibre optic cable across Australia and through major capital cities.
- Delivers a high-performance network - 100Gbps backbone across Australia and 40Gbps links to international destinations
- Provides a range of value-added network, collaboration, content and mobility services.
- Pioneered the arrival of the Internet in Australia in 1989

## Our Communities

- Australian universities
- Research institutions, including CSIRO, ANSTO, DSTO, NICTA, AIMS
- Australia's major teaching hospitals and health researchers and educators
- Associations of Independent Schools, Catholic education systems, directly connected Independent and Catholic schools and some Government school systems
- Nationally significant research and education content providers, such as libraries and museums

## Our services

In addition to core network connectivity services, AARNet provides a portfolio of layered or value-added services designed to support research and education communities in the key areas of collaboration, content and mobility.

We have developed technologies and solutions enabling virtual private networks, data storage and distribution, large file transfers, video interoperability, unified communications and wireless authentication.

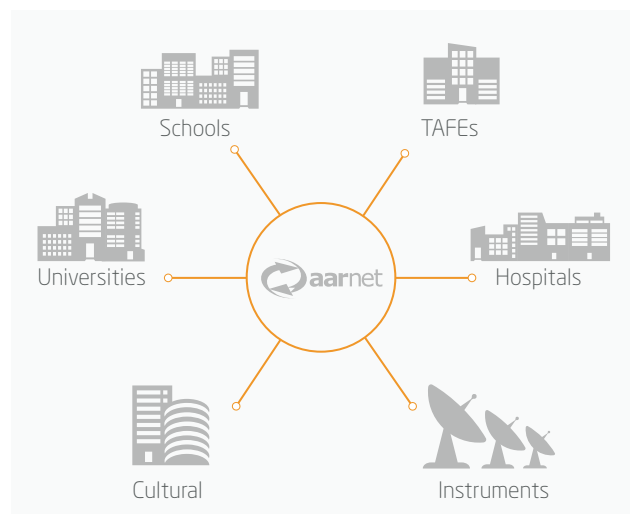
## K-12 Schools Community

AARNet's reliable high-speed network and collaboration services empower teachers to use new technologies in their classrooms. We pursue a collegiate spirit of community engagement, partnering with specialist vendors and content providers worldwide to bring high quality progressive educational projects to our community of schools.

## Connecting Schools in SA

Schools in South Australia connect to AARNet and the global research and education community via SabreNet fibre optic infrastructure.

Schools typically connect at 1Gbps with an increasing number of schools now opting for 10Gbps circuits as they adopt greater usage of cloud based services infrastructures for their day to day operational requirements and curriculum resource delivery.



More Information  
[aarnet.edu.au](http://aarnet.edu.au)