

symbio
NETWORKS™
Australia's Leading VoIP Infrastructure Provider

Next Generation Solutions for Telecommunications Service Providers

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Symbio Networks

Symbio Networks was incorporated in 2002, with our office headquarters based in Sydney, Australia. Over the years we have built a team known for their expertise, experience and specialist knowledge.

Symbio specialises in designing, deploying and managing Next Generation Networks, allowing service providers, carriers and operators to deliver high quality voice and data services to their customers.

Known for our innovative and customisable solutions, we are dedicated to ensuring our solutions remain at the leading edge of the telecommunications industry.

Market Overview

As the international telecommunications market evolves to Next Generation Network (NGN) technologies, the need for network operators to provide high-quality converged services has become increasingly paramount. The maturation of these NGN networks and technologies has resulted in a more versatile and competitive marketplace, with the existing telecommunications operator now in competition with emerging service providers within the domain of Voice over IP (VoIP) and other IP services.

Symbio Networks provides the network operator with a complete proven NGN technology solution with the ability to scale and evolve with this emerging market. Symbio Networks provides extensive engineering experience and know-how, as a result of many years building, supporting and managing these evolving networks, to allow the operator to focus more on strategic benefits and customer take-up with the confidence of having a highly reliable, scalable and well-engineered network to support their business needs.

SOLUTION ELEMENTS

Symbio Networks combines the necessary building blocks to create fully integrated next generation network solutions for VoIP and IP service providers, consisting of soft-switch based call control, session control, media gateways, ISP network aggregation, centralised provisioning and device management.

Symbio Networks' solutions have been proven to deliver excellent voice quality, media control, scalability and security.

The Symbio solution is carrier grade from the ground up and provides a seamless end-to-end solution. The solution not only has been well engineered from a network perspective but provides additional operational benefits such as integrated device management, provisioning and monitoring capabilities.

Our solution infrastructure, including hardware and software vendors such as Stratus, Dialogic, SUN, Cisco and Symbio Networks proprietary software is rich in features and functionalities and supports rapid growth without compromising on quality, making our solution truly 'plug and play' and cost effective.

ENGINEERING EXPERTISE

Symbio Networks possesses unparalleled experience and strength in engineering. Through many years of working on the forefront of emerging network technologies our team have developed the skills and understand the technical requirements of VoIP and IP service networks.

This engineering experience – in excess of 100 years combined within the telecommunications industry, has included deployments of our network solution in many locations and different markets both domestically and internationally. The Symbio solution is a truly global network solution.

DESIGN CONSULTATION

A key challenge for any network operator is that of engineering design and deployment. Symbio Networks professional services are a core element of our solution offering. Our networks are specifically designed, configured, implemented and supported in order to exceed the needs and expectations of the operator.

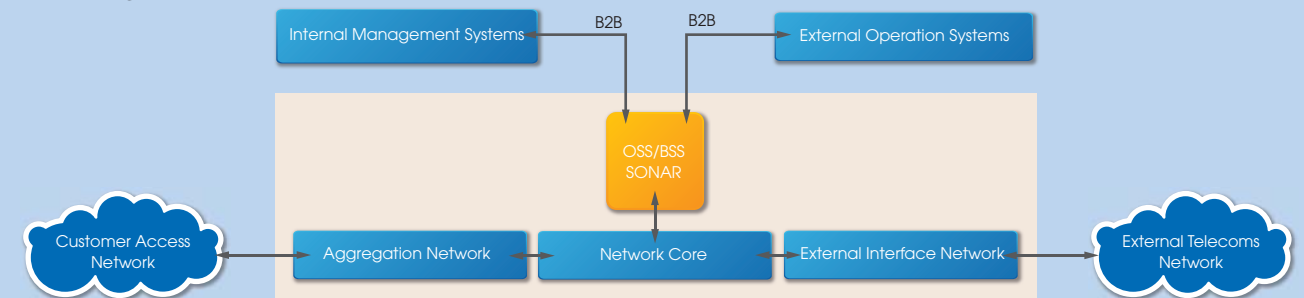
Symbio Networks Professional Services include:

- Design consultancy
- Project management
- System staging
- System build and integration
- Deployment
- Training
- Ongoing technical support

Design and consultation services are offered to service providers to ensure that an appropriate network is built to address our customers business and technical requirements.

Service providers can have confidence in Symbio's ability to deliver on-time, to ensure minimal time-to-market and maximise revenue building opportunities.

Concept Diagram



Service Delivery possibilities on the Symbio Solution

VOICE	Carrier Interconnect	International Switching Gateway		Switch Voice Resale	
CONVERGED SERVICES	VoIP Hubbing/International resale	Calling Card	Converged Media Applications (Voice/Video)	Billing/E-Commerce Solutions	Residential/Enterprise VoIP Network
DATA	IP Transit		Managed IP/Ethernet Service	IP Transmission	ADSL2+ ISP Network
WHOLESALE			RETAIL		



CUSTOM SOLUTIONS

Symbio Networks provides full turn-key solutions as we design, build, deploy and support our customers' networks. Our solution is tailored to your telecommunication needs.

Symbio Networks custom solutions are flexible and scale to support your growth; enabling service providers to minimise development costs and risks in deployment while providing proven real-time performance and reliability.

As requirements change, we change with you; offering the ability to design and build a fully customisable solution, including stand-alone software development and/or B2B integration to third party applications from our in-house software development team.

Through the natural evolution of the 'Symbio Solution' our knowledge and experience enables service providers to focus more on growing their business with the assurance that their network will be well supported and managed.

DEPLOYMENTS

Symbio Networks is a trusted and experienced solutions provider, having successfully deployed many significant and complex VoIP and IP network solutions throughout Australia, Asia and Africa.

The type of deployments we can assist you with:

- Carrier VoIP network solutions
- Residential and Enterprise (IP Centrex) VoIP Service Provider networks
- ISP Network Solutions
- International switching gateways
- E-commerce and converged billing solutions
- Calling-card Networks

TECHNICAL SUPPORT

Symbio Networks delivers first class customer service with our highly trained engineers offering technical support 24x7.

Our team is committed in providing tested, reliable and scalable communication technology.

BENEFITS TO THE SERVICE PROVIDER

- Service Providers can be assured that they will always receive reliable, scalable and resilient solutions. Symbio's ability to deliver a turn-key solution eliminates many potential integration issues.
- Enhanced revenue opportunity with rapid time-to-market and the capacity for your company to be IMS ready.
- The Symbio Solution provides 'value-add' differentiated converged services, through the bundling of voice, data and multimedia communications, increasing market competitiveness for wholesale service providers
- The ease of interoperability allows carriers and service providers to potentially integrate and/or interconnect with the network solution and commence commercial traffic without the need for extensive setup delays.