

***Delivering the Future
in Digital Entertainment Systems
for Resources & Construction***



 **swiftnetworks**

An Australian Company



A World Class Entertainment, Communication and Information Package

In this fast paced world of rich entertainment options, there is now a fully integrated solution. The introduction of the acclaimed Swift Networks' Digital Entertainment System (DES) delivers entertainment, communication and information services in-room through a single IP based network.

Specifically developed for resource, construction and operations camps, Swift Networks' DES delivers an incredible selection of entertainment choices with an array of additional features.

Swift Networks' DES is customisable and scalable from as few as 100 to over 5,000 rooms.

Swift Networks is already the market leader in the provision of entertainment services to mining communities in Australia and continues to grow rapidly as other industries see the many advantages of a 'one stop' entertainment, communications and information solution.

Developed in Australia, Swift Networks' DES is backed by a team of dedicated technicians and support personnel across the nation. Taking three years in the research and development of this technology, the system has been rigorously tested to meet the harsh environmental operating conditions of the Pilbara in Western Australia.

"Futurists predicted that one day you will have everything you need on your TV screen, and that day has arrived."

The future of entertainment is here!

Swift Network's (DES) is a true digital IP entertainment, communication and information distribution package, incorporating many features and services.

Simple to use and versatile in its offering, Swift Networks' DES is far more than just a basic movie and TV entertainment package. Everything is accessed via a single interface and displayed on the television monitor.


In essence, Swift Networks' DES takes inputs from almost any source and presents it to an end user via a TV or other media interface.




IPTV
Pay TV and Free-to-Air, CCTV, etc




IP Radio
Rebroadcast any source



Voice / VoIP
IP Telephony, Video Phones to the room



Internet
In room Web browsing, Email, via TV or PC



Information
Directory Services, Messaging, Weather, Fault Reporting, Menus, Transport



Video on Demand & Scheduled Movies
Movies, Corporate & Training
True VoD - Fast Forward, Rewind, Pause



User Profile & Billing
Integrated "smart card",
Mobile Profile & Access, Secure
Payment, Individual Account
Management, User Pay





The world class system is fully IP based, therefore does not experience performance degradation or quality issues that are typically associated with traditional analogue systems.



The key to the success of Swift Networks' DES lies in the user friendly navigation that is simple to operate. At the heart of the system is a clearly labelled, icon driven menu that is accessible with one button press, regardless of the service being viewed or used.

Swift Networks' DES can also be integrated with existing legacy Systems such as Billing, Voice, Internet, PAGA and Access control systems. For example, it can receive notifications from Emergency and PA systems that will trigger redirection to custom channels / Bulletin Screens or broadcast pre-recorded warnings.

Economic Benefits

Swift Networks' DES has proven to deliver a number of economic benefits to operators and employers that substantially off-set the system investment. Whether in construction or operational phases, Swift Networks' DES have demonstrated many quantifiable economic benefits including:

- Improves staff retention
- Improves productivity:
 - Reduces shifts lost from production to induction and training
 - Reduces absenteeism
 - Delivers efficiencies in village operations
- OH&S benefits - reduces staff disputes
- Records of training, competencies and licenses with validity periods can be recorded on a site "smart card" that also doubles as the "Swift Network Card"
 - The review of consumption data of the DES system by individual users is also a useful monitor for a number of factors such as fatigue management
- Improved Efficiencies and Savings
 - Reduces cable and network infrastructure by up to 70%
 - Eliminates additional building requirements for separate telephone rooms and internet kiosks
 - Improved revenues - flexible and personalised user profiling and billing system facilitates monetising of services

New or Existing Locations

Swift Networks can deploy its full IP Digital Entertainment System over a variety of networks including Active and Passive (Gigabit Passive Optical Networks) architecture. A number of our installations are delivered to premises with existing network infrastructure and we have proven the delivery of IP over 2-wire engaging a Private Broadband Network. Swift Networks can also deliver enhanced entertainment and information services over existing coaxial cable.

Fully Scalable

Swift's DES is fully scalable in size and functionality. Customers may elect to initially offer a basic television and radio system, perhaps incorporating content by RF overlay, and migrate to a complete system including Video on Demand, etc. With a range of optional features you can scale up as your demand increases adding, for example, more peripheral equipment such as phones and keyboards or expanding system features with additional core system modules.



Swift Networks Flexible, Scalable and Customisable Entertainment Solutions

	Swift Networks Solutions			Notes
	"MATV-plus"	RF Overlay	Full IP	
Structured Backbone Cabling Infrastructure Options				
Coaxial Cable	⚙️			
Cat 3 / 4 (UTP)	⚙️		⚙️	via DSL & STB
Cat 5E / 6	⚙️	⚙️	⚙️	via in-room STB
Fibre Optic	⚙️	⚙️	⚙️	
Distribution Network Options				
Active Network (P2P)			⚙️	
Passive Network (GPON)		⚙️	⚙️	
Private Broadband Network (PBN) / DSL	⚙️		⚙️	
Deployment Options				
Existing "Brownfields" Site	⚙️	⚙️	⚙️	
New "Greenfields" site	⚙️	⚙️	⚙️	
Expansion Programme	⚙️	⚙️	⚙️	
Entertainment				
Free to Air Television	⚙️	⚙️	⚙️	Licensed TV, including digital channels.
Pay TV	⚙️	⚙️	⚙️	Fully licensed to deliver a range of encrypted PAY TV channels from Foxtel and Austar.
Pay TV On Demand	⚙️	⚙️	⚙️	On demand Pay TV programming, such as Main Event, delivered to the room.
Radio	⚙️	⚙️	⚙️	Licensed radio services, including digital channels & streaming content. Community and Company radio channels (including 2-way radio channels) can be included & accessed by authorised users.
Music	⚙️	⚙️	⚙️	
FM Rebroadcast	0	0	0	0 – denotes available option
Video On Demand	n/a	n/a	⚙️	
Scheduled Movies	⚙️	⚙️	⚙️	
Encryption & Licensing	⚙️	⚙️	⚙️	
Regular Video Updates	⚙️	⚙️	⚙️	
Customised Entertainment/Information				
Corporate TV Channel(s)	⚙️	⚙️	⚙️	
Directory Channel(s)	⚙️	⚙️	⚙️	
Integrate Legacy Services	⚙️	⚙️	⚙️	
Communication				
Telephony				
VoIP	¹ ⚙️	⚙️	⚙️	¹ via existing system &/or parallel network
Video Phone	¹ ⚙️	⚙️	⚙️	¹ via existing system &/or parallel network
Analogue (POTS)	¹ ⚙️	⚙️	⚙️	¹ via existing system &/or parallel network
Internet				
In-Room	¹ ⚙️	⚙️	⚙️	¹ via existing system &/or parallel network
In-Room via TV			⚙️	
Personal Computer & Gaming Device Connection	¹ ⚙️	⚙️	⚙️	¹ via existing system &/or parallel network
Wi-Fi Hotspots	0	0	0	0 – denotes available option



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	"MATV-plus"	RF Overlay	Full IP	
Information				
User Menu Interface				
Television Electronic Program Guide (EPG)				
Passive	⊗	⊗	⊗	
Interactive			⊗	
In-room User Guide				
	⊗	⊗	⊗	
On-Screen Help				
Passive		⊗	⊗	
Interactive			⊗	
User Card Systems				
Swift Networks Smart Card			⊗	
Proximity Card			⊗	
USB			⊗	
Card-less	⊗	⊗	⊗	
Billing & Financial Management System				
Secure Pre-paid &/or Credit Card	⊗	⊗	⊗	
Individual Account/Transaction Review & Management	⊗	⊗	⊗	
Variable billing & consumption models	⊗	⊗	⊗	
User Pay Capability	² ⊗	² ⊗	³ ⊗	² Telephone & Internet services, ³ All Services
Custom Passive Content	⊗	⊗	⊗	Customised passive content to users such as Bulletin Boards, Weather, Menus, Transport Schedules, Procedures & Protocols, Camp Directory, etc.
Custom Dynamic & Interactive Services			⊗	Deliver a variety of interactive and dynamic content including Induction, Training & OHS content, Quizzes & Polls, Teleconferencing, Facility Booking, Account Management, etc.
System Integration				
Telephony	⊗	⊗	⊗	
Access Control Systems		⊗	⊗	
PAGA & EW Systems	⊗	⊗	⊗	
CCTV	⁴ ⊗	⁴ ⊗	⁵ ⊗	⁴ Accessable to all, ⁵ Access limited by profile
Property Management Systems	⊗	⊗	⊗	
HTML System Administration Interface	⊗	⊗	⊗	
Digital Rights Management and Certifications	⊗	⊗	⊗	
Fully Scalable	⊗	⊗	⊗	
Hardware/Support				
Hardware & Software to deliver all in-scope services				
	⊗	⊗	⊗	
Support				
24/7 Help Desk	⊗	⊗	⊗	
Training	⊗	⊗	⊗	
Maintenance	⊗	⊗	⊗	
Software updates	⊗	⊗	⊗	
Network Management	⊗	⊗	⊗	



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	"MATV-plus"	RF Overlay	Full IP	
Remote System Diagnostics & Maintenance	🔗	🔗	🔗	
Planned Maintenance Site Visits	🔗	🔗	🔗	
Reporting, Usage & Documentation	🔗	🔗	🔗	
In-Room Equipment				
Swift Networks Custom HD Set Top Box			🔗	
Programmable Remote Control	0	0	🔗	0 – denotes available option
Wireless Keyboard	n/a	0	🔗	0 – denotes available option
Telephone Handsets	0	0	0	0 – denotes available option
Flat Screen TV Monitor	0	0	0	0 – denotes available option
Media Plate/Hub	0	0	0	0 – denotes available option
Network Equipment				
Configuration, Installation, Testing & Tagging	🔗	🔗	🔗	
POE	🔗	🔗	🔗	
Structured Cabling, Reticulation and Earthworks	0	0	0	0 – denotes available option
Total Project Design, Engineering, Project Management & Support	🔗	🔗	🔗	
Proven Solutions	🔗	🔗	🔗	