

# Pentech Design and Implementation Roadmap

The following tables show a breakdown of the project phases. All phases are configurable to meet customer requirements. This offers an overview of each major building block in the solution and the migration process. Deployment of the building blocks can then be scheduled into a timeframe that best fits the customer.

Pentech Communications Limited Technology Deployment Roadmap							
	Phase 1 SOW	Phase 2 SOW	Phase 3 SOW	Phase 4 SOW	Phase 5 SOW	Phase 6 SOW	Phase 7 SOW
<b>Functionality</b>	<b>Network Audit, Planning and Design</b>	<b>Infrastructure Upgrade and Implementation</b>	<b>VoIP Server Implementation</b>	<b>Phone &amp; Voice Mail Deployment</b>	<b>Remote Offices Deployment</b>	<b>Network Management and Support</b>	<b>Optimise System and Services</b>
	<ul style="list-style-type: none"> <li>• Audit network</li> <li>• Information gathering</li> <li>• Confirm the final design</li> <li>• Agree implementation project plan</li> </ul>						
	<ul style="list-style-type: none"> <li>• Services only</li> <li>• No Hardware</li> </ul>	<ul style="list-style-type: none"> <li>• Services</li> <li>• Hardware</li> </ul>	<ul style="list-style-type: none"> <li>• Services</li> <li>• Hardware</li> </ul>	<ul style="list-style-type: none"> <li>• Services</li> <li>• Hardware</li> </ul>	<ul style="list-style-type: none"> <li>• Services Only</li> <li>• No Hardware</li> </ul>	<ul style="list-style-type: none"> <li>• To Be Determined</li> <li>• Time and Materials</li> </ul>	<ul style="list-style-type: none"> <li>• To Be Determined</li> <li>• Time and Materials</li> </ul>
<b>Timeline</b>							

## Existing and Future Customer Applications

### Stage 4 - Unified Communications (Pt 1 & 2)

- A fully converged network infrastructure supporting integrated Voice and Data with end-to-end QoS
- IP Telephony (completed deployment)
- Voice Mail (completed deployment)
- Contact Centre Support
- Future Application enabler
- Integrated Mobile Voice
- Single Number Contact capability
- Centralised, Enterprise Wide Voice Mail

### Stage 3 – VoIP and Voice Mail

- IP Telephony (limited deployment)
- Voice Mail (limited deployment)

### Stage 2 - LAN Infrastructure

- 10/100/1000 Mbps Backbone
- Power over Ethernet
- Wireless
- QoS Enabled
- Routed VLAN connectivity

### Stage 1 – Vision and Planning

- Requirements confirmation
- High Level Design
- Process establishment

**Network  
Management**

**Internet  
Gateway**

**Remote  
Access  
VPN/remote  
Gateways**

**Security**

#### Existing Infrastructure Cabling

- Cable Standard, ie Cat 6
- Backbone - fibre or copper