



## **Unified Technologies Network Design & Deployment**

Full Life cycle Design, Documentation, Implementation and Support for Collaborative Networked Technologies using standards based Project Management and formalized Engineering skills

### **PROFESSIONAL HIGHLIGHTS**

- A career focus in all aspects of Voice and Converged Technologies including Sales Engineering, Network Topology Design, Installation and Deployment, Quality Assurance and Compliance, User Training, and Field Services.
- A past, present, and continuing dedication to formal education including degrees in Computer & Information Systems, Electrical Engineering, Project Management Professional, and Technical Certifications in a multitude of manufacturers product lines.
- Comprehensive Engineering experience using a methodical design approach to innovative solutions backed by past experience in disciplines including R&D, Hardware Design, Circuit Analysis, High & Low Level Programming, and Systems & Network Design.
- Direct Small Business experience as well as extensive interaction with Medium and Enterprise wide business models on all levels in a cross-functional environment resulting in goals driven projectized management style with a focus on details.

### **PROFESSIONAL HISTORY**

September 2005 - present

#### **Consulting & Engineering dba. Voice Solutions, Andover, MA**

- Complete Life Cycle engineering services including Business Workflow Analysis; Research, Evaluate, & Recommend; Systems & Network Design, Deployment, Testing, Training, and Documentation services.
- Technologies including but not limited to Telecom & Cellular; Fiber & Wireless Networking; VoIP, Video & IM Communications; Collaboration & CRM; Security & Penetration Testing; Power Systems & UPS; Disaster Recover & Business Continuity.
- Project Management services and strategies including but not limited to Operations Management, RFP & Response, Vetting Contractors, Ordering & Tracking Inventory, Scheduling and Compliance.

July 1997 - April 2005 - March 2014

#### **Senior Telecom Engineer Intelliphone, Inc., Andover, MA**

- Designed, implemented, and maintained the in-house Voice & Data networks as a converged topology with Unified Messaging, Wireless Integration, and Remote Telephony.
- Lead engineer in contract PBX interoperability testing for Alcatel in an R&D lab environment for PRI based Q-SIG protocol compliance between Alcatel platforms and NEC, Avaya, Mitel, Nortel, and Siemens PBX platforms for the US market.
- Lead engineer in a multi-site enterprise wide deployment of a 500 seat 3Com NBX Voice Platform integrated with a 60 seat Interactive Intelligence Call Center in collaboration with the Aviva Project Management team and Aviva IT departments.



**STARTUP EXPERIENCE**

June 1993 - July 1997

**Owner/Principal Engineer** VGI Engineering, Peabody, MA

- Defined and implemented a Business Plan from conception through financial analysis, incorporation, public approvals, funding, asset acquisition, and establishment of operations and management guidelines culminating in a functional small business.
- Developed a Point Of Sale system with embedded customer database linked to accounting & financial modeling programs that enabled real time dynamic tracking to affect marketing and advertising strategies.
- R&D, circuit design, prototype manufacturing, and interface programming for PC based infrared 3D tracking systems.

**FORMAL EDUCATION**

- ✓ Project Management Professional Certification Program 2005 Merrimack College
- ✓ Bachelor of Science in Computer and Information Systems 1993 Merrimack College  
Minor in Electrical Engineering

**TECHNICAL CERTIFICATIONS**

- ✓ Adtran ATSA IP Business Gateways Mar, 2015
- ✓ Adtran ATSA Internetworking Solutions Mar, 2015
- ✓ HP/3Com Certified IP Telephony Expert Jan, 2007
- ✓ HP/3Com Certified Network Telephony Specialist Mar, 2003
- ✓ HP/3Com Certified Convergent Network Technologies Apr, 2002
- ✓ ESI IVX IP Series Technical Training May, 2001

**ENGINEERING COMPETENCIES**

- ✓ LAN & WAN network design
- ✓ Network Security Planning
- ✓ Enterprise WiFi Design
- ✓ Fiber Backbone builds
- ✓ VoIP deployment planning & training
- ✓ VoIP Device & Gateway provisioning
- ✓ Paging Systems design & installation
- ✓ Disaster Recovery & Business Continuity

**VIRTUAL PLATFORMS**

- ✓ Oracle(Sun) VirtualBox
- ✓ Amazon AWS/EC2 instances
- ✓ Google Cloud APIs & Services

**SOFTWARE APPLICATIONS**

**Business Apps:** Microsoft Office & Project suites  
**Operating Systems:** MS Windows/Server, RHEL/Ubuntu  
**Engineering Apps:** Draw.io, Google Sketchup, MathCAD  
**Programming:** Pascal, Bash Scripting, MS CLI Scripting