

WTL Technology
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WORLD TELECOM LABS



Who Are WTL?

- Established in 1997, Privately owned.
- HQ in Brussels, Belgium
- Connecting Traditional Networks to New Generation Networks
- Leading edge VoIP technology
- Intelligent solutions from a co-operative supplier
- 100% WTL designed products

What Do WTL Do?

- Installed by over 200 Service Providers in over 50 countries
- Networks from 5 to 100 million minutes per month
- Installations with over 10 million customer accounts
- Recognized supplier of high quality VoIP
- Repeated wins in rigorous technical trials – voice quality is a key benefit
- Widespread customer base (Pre-Paid, Wholesale, Signalling Gateways, Rural Solutions)

Changing the Way the World Communicates



WTL, Solution Provider To:

- Tier 2 & 3 Carriers
- Pre-Paid Operators
- New Service Operators (converged networks)
- Universal Service & Call Shop Carriers
- ISPs entering VOIP business
- Integrators & providers in Satellite market

Reference Customers



SS7 gateway



ex-Telenor Satellite
Calling Cards for ships



100+ Rural VoIP
telecentres Morocco



STM-1 gateways for UK
Tech Track 100 firm



SS7 -> IP gateway



144 E1 transit Netherlands



CABLE & WIRELESS

International VOIP to London



Leading ISP in E. Europe



Nigeria's major clearing
house



Pre-Paid Voice & Mobile Data

Changing the Way the World Communicates



WTL 'One-Box' Solution v. Rest of World

- Most highly-featured one-box solution in the market, includes:

Class 4 Switch	Pre-paid Application Server	RADIUS Server (for authentication)
VoIP Gateway	Voice Accelerator	Billing Server
SS7 Signalling Gateway	SoftSwitch	STP (Signalling Transfer Point)
SBC (Session Border Controller)	Voice Media Server	VXML Interpreter

WTL Company Benefits

- WTL specialise only in Service Provider solutions
- Experts in VoIP and telecoms
- Big enough to deliver, small enough to care
- One box solution – TDM, VoIP, Pre-Paid, SS7, Call Routing, CDR Generation, Account database

- Multiple business models supported –

Wholesale

Retail

Pre-Paid

Post-Paid

Residential

Business

Call Shop

Traffic Exchange

Reseller

VoIP Trunking

Broadband Telephony

Rural

- Any service on any line
- Any protocol in, any protocol out

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WTL Product Benefits

- NOP (Network Optimisation Protocol)
 - extra VoIP compression with no loss of voice quality
- Soft IVR: ‘Hardware-less’ IVR for VoIP
- HA Options:
 - Active/Standby 1+1 operation
 - Distributed MTP3 for resilient SS7 signalling, Floating IP addresses, Load balancing for VoIP
- Real time, on switch balance checking
- CDR generation & balance checking distributed – no separate Billing server

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WTL Technology Benefits

- Patented NOP VoIP bandwidth saving
- Own SS7 stack (= greater control)
- Own SIP & H323 stack
- Own VXML interpreter
- Call routing is distributed – no central database/routing server
- Applications all media independent (work for VoIP or TDM)

WTL Support

- Support centre in Belgium
- 24 x 7 cover
- Online help desk & trouble ticket system
- Only WTL trained, experienced engineers are used
- High satisfaction rating from customers

What Our Customers Say

NOP Voice Quality

“We added WTL PVXs to a satellite link between Frankfurt and Delhi. We had been using Cisco VoIP gateways which gave us 4 to 1 compression but with WTL we got 10 to 1 and voice quality improved significantly!” – Swiss Competitive Carrier

Product Flexibility

“We looked long and hard at Lucent, Veraz, Digitalk and others before choosing the IPNx. They were either TDM switches with VoIP tacked on or VoIP gateways that had TDM support tacked on. The IPNx was the only product that we felt was a true combination.” - UK Wholesale Carrier

What Our Customers Say

Stability

“We wanted a switch that wouldn’t let us down. We have had other platforms that start falling over when they’re 50 – 60% of capacity.”

- Pre-Paid Operator, Belgium

Recent Wins

- Zamir Telecom, UK – High capacity retail SoftSwitches (10,000+ simultaneous calls)
- Esprit Telecom, NL – multi-STM1 gateways + Class 4 switching
- Golden Telemedia, CY – Premium numbers platform
- ICN, Nig – Multi-protocol clearing house solution