World Telecom Labs (WTL) is a supplier of carrier-class VoIP equipment. We are a Brussels-based pioneer in carrier VoIP and have specialized in this market for more than 10 years. We have a full product range which includes:

WTL Products

- **VoIP to TDM switches** (SIP, SIP-I, H323, ISDN and SS7 all supported).Hugely scalable from entry level 2 E1 to massively powerful multi-STM-1 backbone switches. Highly reliable, fully redundant, allow any-to-any switching of all traffic types

- **SoIP Gateway** (low cost SS7 to IP signalling converter). With support for ISUP, MAP and Sigtran. More than 100 successful different SS7 interconnects.

- **SoftSwitch** high density (up to 5000 calls per server) with integral SBC, full Pre-Paid, Post Paid, Callback, IVR and Billing.

- **Bandwidth cost saving** for VoIP using our patented NOP (Network Optimization Protocol) for any VoIP traffic. This product gives an almost instant Return On investment by cutting the IP bandwidth used to 30% of standard VoIP.

- **Wholesale and Carrier Exchange solutions**. Very large systems can be built with millions of minutes per day and more than 200 call set-ups per second

- **Retail VoIP applications** – SME, Residential, Calling Card and PIN-less business models all supported. Pre- or Post-Paid operation with web portal for online customer sign-up and payments

- **Call Shop Support** – Low cost solution with Real-time billing for multi-booth shops. Reseller or direct call shop management.

- **Rural Telephony**– Voice and data access for remote sites by satellite or any other available medium. Includes secure, cloud-based billing and patented bandwidth reduction technology

Our Benefits

- **Flexibility** is top of the list. We have a brilliant "any protocol in, any protocol out" architecture which lets you switch freely between TDM & VoIP supporting all flavours of ISDN, SS7, H323, SIP, SIP-I.

- **Security**: we support multiple traffic authentication methods with extensive SBC features built-in

- **Balance management**: there is a real time, pre-paid application inside the switch if you want to use it. Alternatively, we can export our very detailed CDRs to whatever business management system you currently use.

- **Bandwidth Saving**: we have a patented technique which cuts in half or thirds the bandwidth used by VoIP calls. This saves our customers a ton of money on long distance, especially satellite links and does not reduce voice quality.

- **Reliability**: we have a reputation for making kit that never goes down no matter how hard you load it. This is because we have been doing this for 10 years + and over that time we have debugged & perfected our core switching software.

- **Scalability**: we scale from small SoftSwitches for 30 calls up to mega-switches with 8 x STM-1s and 15,000 + calls. This is done in a modular way so there are no big up-front costs.

- **Switching/Routing/Number Manipulation**: Again as a result of doing this for so long, we have seen most weird & wonderful things that people want to do with calls and have adapted our software to cope.