

## Bucharest Stock Exchange (BVB) Case Study

Customer	<a href="#">Stefan Nanescu</a> Bursa de Valori Bucuresti S.A. (BVB) [Bucharest Stock Exchange] Tel: +40744504307 <a href="http://www.bvb.ro">http://www.bvb.ro</a>	<b>Testimonial</b>    "Xorcom offers one of the most <b>flexible and stable technical solutions</b> one client can have in a budget restricted investment." - Stefan Nanescu, <i>Head of IT&amp;C Administration</i> - <i>Bursa de Valori Bucuresti S.A.</i>
Industry	Financial / Capital Market	
Main Challenge	Migration from legacy analog phone solution to VoIP	
Integrator	<a href="#">Gabriel Alexandrescu</a> Modulo Consulting Tel: +40212321019	
Distributor	<a href="#">Vocalnet Communication</a>	
Solution	<ul style="list-style-type: none"> <li>• XR3000 PBX with 2x E1 ports for the main office</li> <li>• CISCO SMB phones, adapters for analog lines (ATA), and SRW switches</li> <li>• XR2000 PBX with 1x E1 port for the disaster location</li> </ul>	

### Overview

The Bucharest Stock Exchange (BVB), located in Bucharest, Romania, **strives to provide** a marketplace for securities transactions, to enhance liquidity of securities by concentrating a large volume of supply and demand to the market, to form fair prices that appropriately reflect such supply-demand relationship, and to distribute these prices to the public. The organization decided to migrate from a classic analog telephony solution to a new, VoIP-based infrastructure. The analog system was end of life and organization decided to select instead a VoIP solution that allows more flexibility and expandability over time, a reliable failover configuration (with phones able to access another VoIP system remotely), multiple conferences, flexible phones control, mobile phone integration, stable conference recording, etc. The solution was to consist of a main telephony solution (PBX and office phones) and a disaster recovery backup solution, all within challenging budget limitations.

## Customer Requirements

The BVB wished to preserve the following existing functionalities:

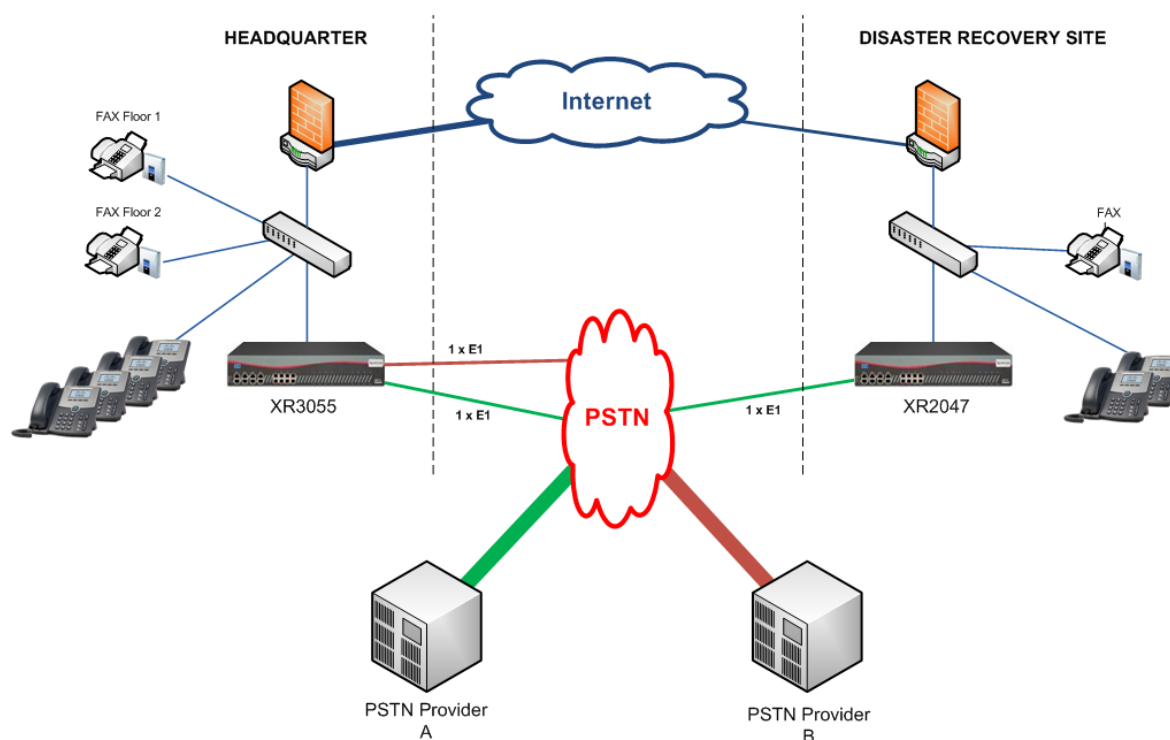
- PBX basic configuration
- Keep transfer functionality
- Music on hold

The following additional functionalities were to be supported by the new PBX:

- Support for over 60 extensions
- Queues
- Ring Groups
- Predefined and custom defined announcements based on time conditions
- Define Outbound Routes between the main office and the disaster location
- Define Inbound Routes between the main office and the disaster location
- Voice mail (VM) to electronic mail
- Fax to electronic mail
- Possibility to increase the number of extensions with no additional fees
- Teleconferences for difference business processes with local and external clients

## Proposed Solution

Modulo, the integrator, designed the solution (equipment and interconnections), and the client made the required configurations.



The solution comprises the following components:

- XR3000 PBX with 2x E1 ports for the main office
- CISCO SMB phones
- CISCO adapters for analog lines (ATA)
- CISCO SRW switches (with PoE)
- XR2000 PBX with 1x E1 port for the disaster location

## Results

Deploying the Xorcom solutions at the Bucharest Stock Exchange (BVB) significantly lowers annual maintenance fees by routing calls incoming / outgoing according to preferential tariffs destinations. Also, providing the client with extensions management and control allows for SIP trunking, additional users, building IVR's, etc. without incurring any costs.

Central phones are connected simultaneously to the central and disaster XR3000/XR2000 PBX systems allowing users to have access to the PSTN provider even in the case when one PBX and/or one E1 are down.

## Conclusion

*Stefan Nanescu, Head of IT&C Administration - Bursa de Valori Bucuresti S.A.:*

“This solution was designed initially by BVB who turned to local integrator (Modulo) for technological modifications and implementation. **We finally have a telephony solution that fits our business needs and proves the reliability of the concept, and of the selected technical platform.**”

“Xorcom also provided **very efficient support** during different upgrading processes.”

“Xorcom offers one of the most **flexible and stable technical solution** one client can have in a budget restricted investment.”

## About Bucharest Stock Exchange (BVB)



Starting in 1992, the National Bank of Romania with Canadian assistance and a group of specialists in various economic sectors collaborated to recover the Romanian capital market. Since 1995, when BVB was established, the BVB has been working to make

Bucharest Stock Exchange one of the most active financing vehicles of the Romanian economy by attempting to build the best performing capital market in South-Eastern Europe and by creating attractive investment opportunities in a dynamic and transparent environment. For more information, visit: [www.bvb.ro](http://www.bvb.ro)

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## About Modulo Consulting



Founded in 2002, Modulo Consulting specializes in software development, IP Telephony and Unified Communications solutions. The company has integrated Interactive Voice Response (IVR) and Unstructured Supplementary Service Data (USSD) user interfaces with billing systems, implemented geo-coding services, deployed and maintained messaging solutions for user bases of 300 thousand accounts or more, and maintained huge data warehousing solutions. For more information, visit: [www.modulo.ro](http://www.modulo.ro)

## About Vocalnet Communication



VocalNet provides office phone systems in a next-generation communications platform to provide small businesses with big-business features at small business prices. The company's goal is simple: to make owning and running small business easier, less costly, and more profitable. Each product and service Vocalnet offers has been engineered to give small business owners advantages previously only available only to larger enterprises. For more information, visit [www.vocalnet.ro](http://www.vocalnet.ro)

## About Xorcom



Founded in 2004, Xorcom is a privately-held IP-PBX manufacturer. Xorcom harnesses the power of Asterisk® Open Source IP-PBX - the most rapidly growing telephony platform in the world - to design and produce leading-edge hardware telephony solutions for commercial installations.

Today, Xorcom offers the widest and most flexible range of solutions and hardware platforms in the Asterisk market. System integrators, telecom equipment manufacturers, and customer premise telephony and VoIP providers use Xorcom products to provide added value to their end users. Xorcom sells its products via a worldwide distribution channel and OEM partners. For more information, visit: [www.xorcom.com](http://www.xorcom.com).

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