# Next generation distributed telephone exchange

Currently it becomes more urgent the development of solutions based on open standards and open source code. Systems built on Asterisk® software are leading in the field of telephony and distributed as the open source. The Odin TeleSystems Inc., an international leader in the field of telecommunications, has accumulated the considerable experience in the development and implementation of computer telephony solutions. Depending on the needs of the customer we are ready to provide consulting services in the selection of the necessary equipment to configure the system for your requirements, and also to provide you with own development of the Odin TeleSystems Inc. Necessary software is installed on the server and configured by our specialists for different tasks of the customer.

Solution based on Asterisk® software allows you to quickly build a flexible telephone system and implement the following features:

❖ Creating a unified telephone network makes it possible to collect geographically separated offices in a single numbering plan, for example, for making a call to a branch in another city is enough to dial the extension number. It enables to build inter-regional and international networks with a very low cost within the network. In addition, this significantly reduces the number of urban lines in each office. Note also that it is possible as to connect to the existing telephone exchange, so the organization of telephone communication "from scratch".

❖ Design of the registration plan at your discretion, with no limit on the number of incoming / outgoing numbers (as in most PBX), as well as the possibility of flexible recruitment policy: no need to dial 0 or 9 before exit to the city, you can assign numbers of subscribers different from the 3-digit (e.g., 11, 12, 1001).

❖ Ability of automatically search for the subscriber if necessary, switching to other channels of communication. It greatly saves time, facilitates the organization of conferences and call forwarding. The operator on the phone is not tied to a particular place and can serve several remote sites simultaneously.

❖ To connect additional phones it is used a local computer network, including wireless; so for connecting additional phone numbers you do not have to lay additional cables for telephone lines.

❖ Ability to use Soft-Phones with the function of the organization of conferences on the speakerphone, including the possibility of using mobile phones software (for example, on a Windows Mobile platform, Symbian, Android, Apple iPhone, etc.)

❖ Possibility of dynamic calls routing, for example, in the absence of employees in the workplace or the use of alternative means of communication.

❖ Easy making of conference: managers can connect to the necessary specialist directly from the console of the phone and manage the order of the conference.

❖ Possibility of flexible time schedules, depending on customer requirements (not just the "day" and "night", as in the majority of PBXs). You can also control the state "Do Not Disturb» (DND).

❖ Ability to build Call Centers with a customizable call processing algorithms, creation of an unlimited number of queues and operators. Operators can manage their status and calls as from the phone, so through a program installed on a PC.

❖ Ability to integrate with CRM, ERP-systems and databases, including the possibility of creating a dynamic IVR, prioritization of VIP customers' calls, personalization of customers.

❖ Optimization of costs on long distance / international calls, ease of integration with the various providers of IP-telephony, such as: SIPNET, TerraSip, Skype, etc.

❖ Ability to create the secure communication channels.

❖ Possibility to create multi-level voice response (IVR), automated services, and flexible scripting of incoming calls based on caller's number.

❖ In the case of PRI ISDN channels on the screen of the IP-phone displays the caller's number.

❖ Ability to build large corporate and public telephone systems with software features hot backup services, encryption of traffic, the availability of RADIUS-authentication, also the easy construction of systems of video telephony and videoconferencing.
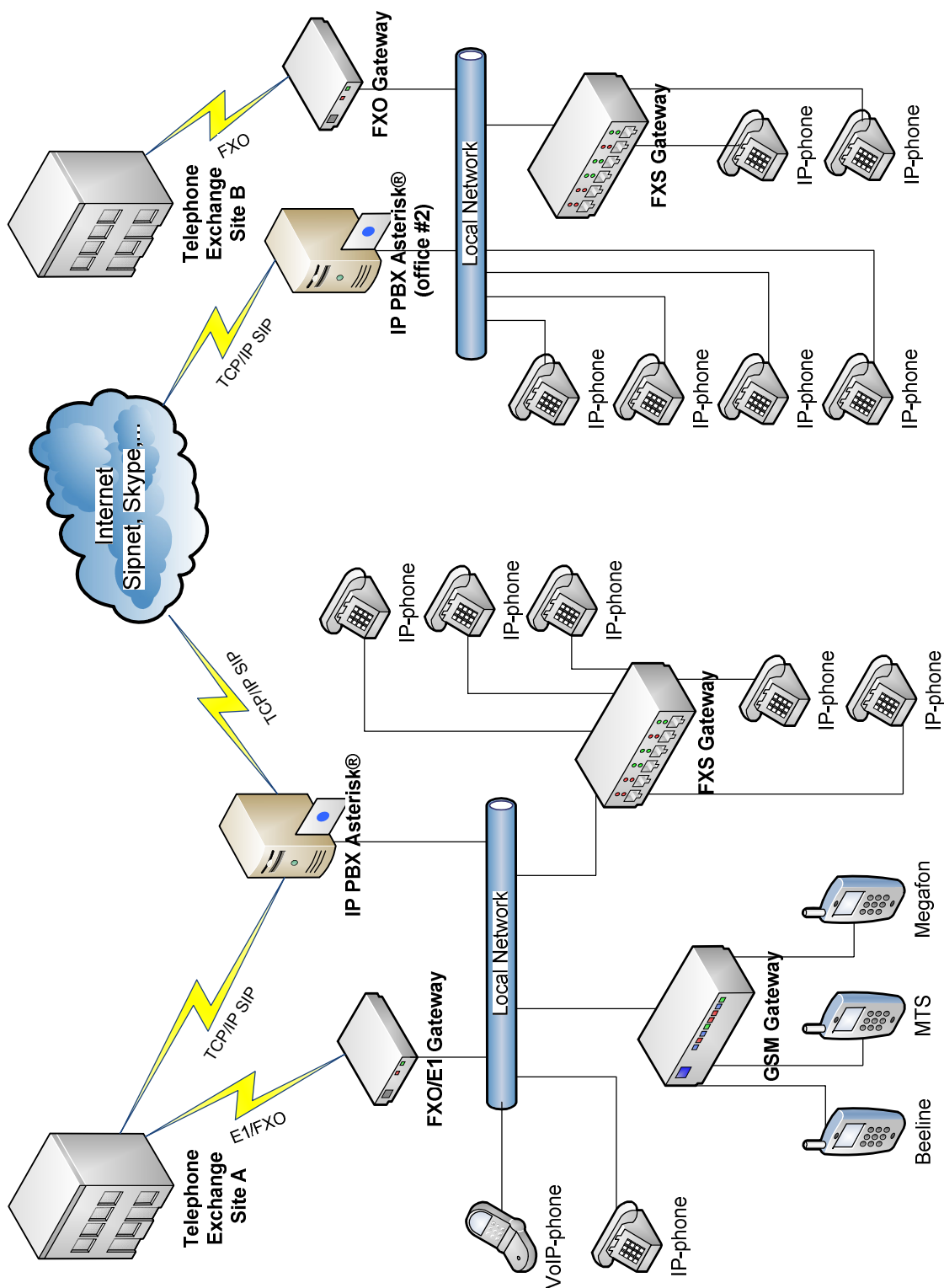
Odin
TeleSystems

Odin's products and solutions are designed and developed in the heart of the Telecom Corridor in Richardson, Texas, U.S.A. We deliver to OEM and VAR customers all over the world. Currently, Odin's products are used in over 25 different countries within North America, South America, Asia, Europe, and Australia.

If you are interested in our Asterisk® based solution, we are ready to showcase its operating. Also we are able to give a free advice on the preliminary calculation of the cost of equipment, its configuration, installation, in accordance with your requirements.

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