



A Case Study

“This Case Study describes how a local public transportation service managed to lower cost and reduce emissions on infrequently used lines by making their service “on demand” using the MOTECS CUB system in cooperation with a berofix gateway.”



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About LNG Fulda mbH

The Fulda based public transportation firm is part of the Rhein-Main-Verkehrsverbund (RMV or Rhine/Main Regional Transport Association), which is one of the biggest transport associations in Germany. It coordinates and organises regional bus and rail transport services across an area of around 14,000 square kilometres. The Fulda area consists of 1380 square kilometres in which LNG Fulda mbH maintains a service of 683.000 kilometer per year.

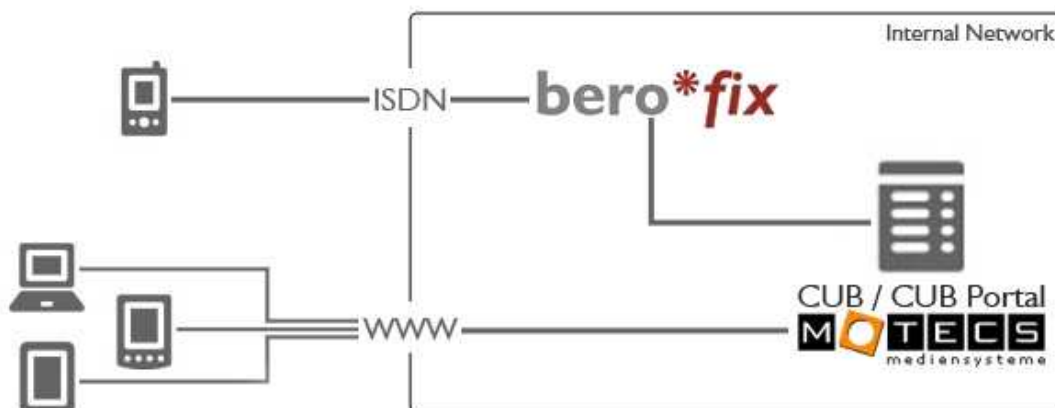
The Problem

In Germany, it is required for rural areas to be reachable with public transportation. But due to the low demand, regular buses frequently remain empty. In an effort to reduce running costs and maintain an environmental balance while maintaining a strong public transportation connection, LNG Fulda mbH assigned MOTECS GmbH to develop a system which allows residents to reserve a bus on demand. The new system had to be reliable and as easy to use for children as the elderly.

The Solution

MOTECS GmbH developed the "Call Your Bus" (CUB) IVR-system. This SIP-IVR system allows residents to book a bus by calling a service number followed by a suffix for weekday and line. The bus is then automatically booked without further action required from the customer. The IVR system responds to the code by providing a spoken confirmation with the line number, the departure- and arrival times and the corresponding bus stations.

Behind the scenes, the calls are received by the berofix gateway through ISDN. The berofix modifies the call to SIP packages which are processed by CUB. Additionally, CUB has a web frontend which allows for booking reports as well as system maintenance. CUB (both SIP application and web-portal) runs on all out-of-the-box windows systems.



About beroNet

BeroNet GmbH was founded in 2002 and is the leading European designer and manufacturer of ISDN, Analogue, Hybrid and GSM VoIP access technologies through driver-free and modular low, medium and high density PCI Cards and Gateways. BeroNet is dedicated to bringing the world advancements in cutting edge VoIP telephony access solutions empowering the evolution and embrace of next generation of IP communications with technologies that combine the best of the Internet with the best of the existing fixed and mobile telephony infrastructure, breaking down the barriers to communications and making it easier and cheaper for people and businesses everywhere and anywhere to communicate. Visit www.beronet.com

About MOTECS

MOTECS Mediensysteme GmbH was founded in 1997 as full-service provider for Information Technology (IT). In the following years when the consolidation of IT and Telecommunication Systems began, MOTECS expanded their spectrum of services and became a fully fledged ICT service provider. MOTECS has been offering high quality solutions in standard and SIP based telephone systems ever since and could win several well known and interesting companies as their customers, providing them with individually programmed as well as standardized solutions. Visit www.motecs.com.