warning **PUBLIC**



FLOOD Warning & DAM Implementation

SiRCOM



THE COMPANY

Experience the difference

SIRcom is a system house for Public -Warning - and Information-Systems founded in 1993 by a team of experts with many years of knowledge in acoustics and warning technologies.

Since the beginning our founder Norbert Hunger has taken over business as CEO and established an International and successfully operating company.

SiRcom's activities worldwide are coordinated from the Headquarter in Forstinning near Munich.

THE SIRCOM team has many years of experience not only in the development of new products but also in the handling of complete turn-key warning and communication systems around the world.



Over the years our leaders have combined SiRcom's culture and knowledge into what it is today - a company which brings new ideas to life.

The combination of long-time experience in advanced acoustical solutions. communication technologies, warning system designs and tailor-made complete systems is our unique competitive strength as well as your chance to a successful business.

"It is SiRcom's declared aim to offer a perfect economical and competitive solution for any requirement and complexity"

FLOOD Warning & DAM Implementation



Since 2005 SiRcom implements highly complex Dam-Warning-Systems with:

- -Multi-Central-Control
- -Multi-Communication-Technologies
- -Multi-Dam-Sites-Installations

For Flood Warning it is essential to reach the public in danger within appropriate time-frame.

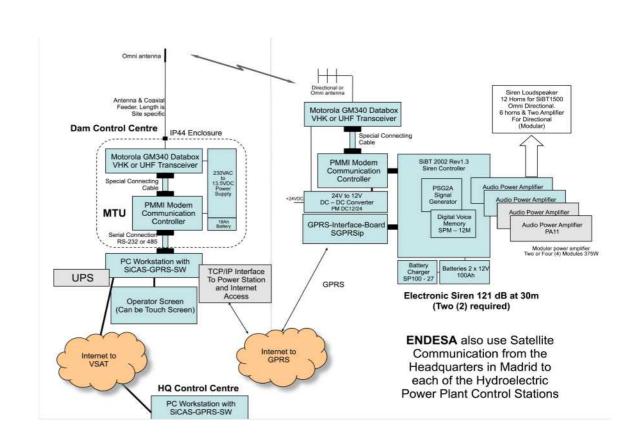
It can be within minutes or within hours.

Such a system needs a secure and redundant communication structure plus a highly reliable acoustic coverage.

Siren-installtions at Rivers or rurale areas are to be monitored and tested on realtime basis.

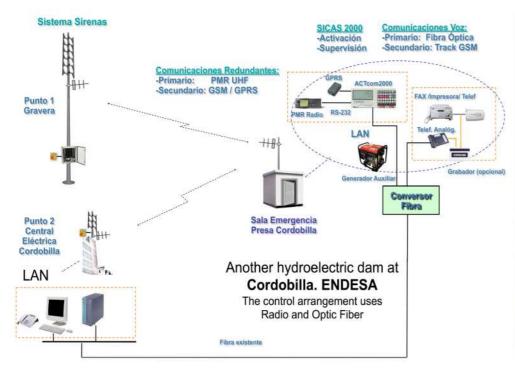
SiRcom has plenty of experience in Emergency Warnings & communication solutions.

Contact us for your requirements.





Plan Emergencia Cordobilla



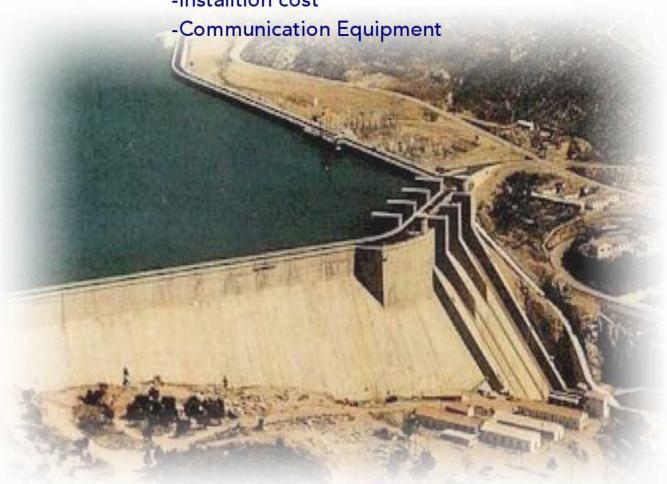


At the DAM



Highest Acoustic Power/Efficency to achieve large area coverage, in order to minimace:

- -Equipment cost
- -Installtion cost



downstream)



Customized Acoustic
Power

Directional or
Omnidirectional
to achieve
suitable best Soundcoverage,
by lowest posible
Installtions.
To secure high
efficent investment

With the SiBT/SiDES Series, SiRcom provides a well-established siren product-line which can be easily adapted to customers requirements.

Directional or omnidirectional alignment enables different sound characteristics and impacts on the environment.

Depending on the requirements, the SiBT/SiDES Series is able to provide a total output power up to 5400W and a sound pressure level up to 131dB @ 30m.

These high power electronic sirens have the capability to generate several different alarm signals and electronically stored voice messages.



All the products used in the SiRcom systems are brand new and the hard- and software components are being developed and produced by our own engineering team.

They integrated their long-term experience into the products and services in order to design the latest state-of-theart generation of Public Warning Systems as well as Communication and Information Technology.

SiRcom has a wide variety of turn-keysolutions for sirens combined with the latest communication and information technology.

The Product Portfolio includes: development, manufacturing, system integration and after sales service of siren systems as well as information and communication systems.





Communication/Network

products & solutions

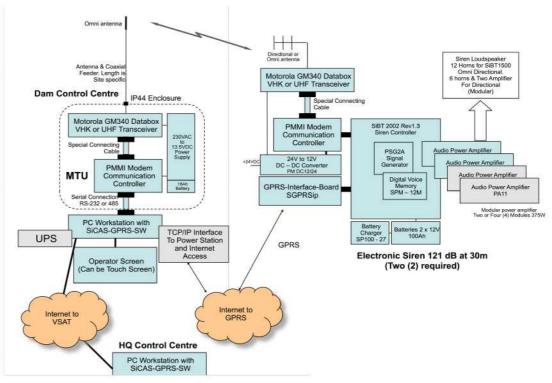
The Communication Solution is depending on the available infrastructure, operational requirements and overall system structure needs.

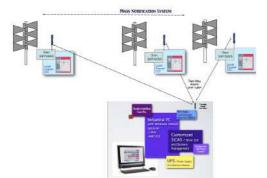
SiRcom offers customized solutions for any available line- or wireless-based infrastructure.

From a single Control Room for a local siren control up to nation-wide multipath communication by different means can be implemented.

Todays highly available data-services allow a wide range of operational features where **SiRcom** takes care of it's availability and data security to ensure secure siren-control and performance ad any time and under any circumstances.

Knowing that the system is in perfect condition at stand-by or in-operation is our aim.





possible communuication using:

- -Radio
- -3G
- -WiFi/IP/Internet

Commend & Control

The Control and Management Software SiCAS is designed to allow one or several user(s) on remote control by the highest possible security for any siren-function within any communication structure.

It is our absolute priority to secure high flexibility without risking failures and any malfunction.

At any time the alarm-activation has highest priority. Showing the operator the system-performance as well any technical status of each siren within a System.

The SiCAS-SW can be used as a single application as well as multi-centrearchitecture with a priorty-hierarchy.

Monitoring the siren-functionality is a permanent task. Reporting to the control centre can be done automatically or on request.

SiRcom offers to customize the Control-Application as well, the Screen-Designs as per customer needs.







The MAIN-Features of SiCAS are:

- Touch Screen / Panel-PC Operation
- Secure Access Control by:

USB-Stick or Chip-Card with controlled Access Data and Pass-Word

- Log-File documentation of any activity
- MAP-GUI sirens on geographical maps with active functional indication.
- Customized screens of any functional button
- Customized language (control by USB-Stick)
- Customized functional features
- Remote VPN-System-Support
- Operating-Systems available, Windows / Apple OSX, iOS / Linux / Unix
- Apple iPAD- & iPhone, Android Control

SiRcom offers Interface to any existing communication means via IP



KEYAFeetitures of any STROOM Systems



Control Station

All the sirens can be controlled from one or many control stations, as individual, as group, and all together.

Selected Sirens

Any number of sirens (units) can be activated at any given time from the control station (group-activation)

Auto Reporting

After activation a feed back message will be received in the control station that the alarm has been activated and is running.

Status of Equipment

Through the control station the status of all the functions/ performance of the equipment like mains, batteries, amplifiers, drivers etc in less than 60 seconds will be provided.

No False Alarm

Through CONTROL DATA SECURITY(Dual-Command-Time-Control) SiRcom can guarantee that false alarm can never be triggered.

Power Supply

through SOLAR PANELS. SiRcom-Sirens made with high efficient low consumption-design allows a supply and charging the batteries through off the shelf SOLAR PANELS.

Command & Communication

Wireless communication through VHF,UHF, GSM/GPRS / UMTS, WiFi and Satellite.

Line based communication by telephone link, IP, RS485 or any other local infrastructure can be used.

Safety against Lightning & Thunder Storms

As SiRcom siren head is made out of aluminum, our whole equipment is safely-covered (Faraday effect, siren-head has fully ground potential). Once the siren head is grounded properly any lightning-current runs direct into the earth/ground.

Warning Signals & Messages

Any number can be created. Any number of voice messages can be stored.

Minimum Maintenance Visits

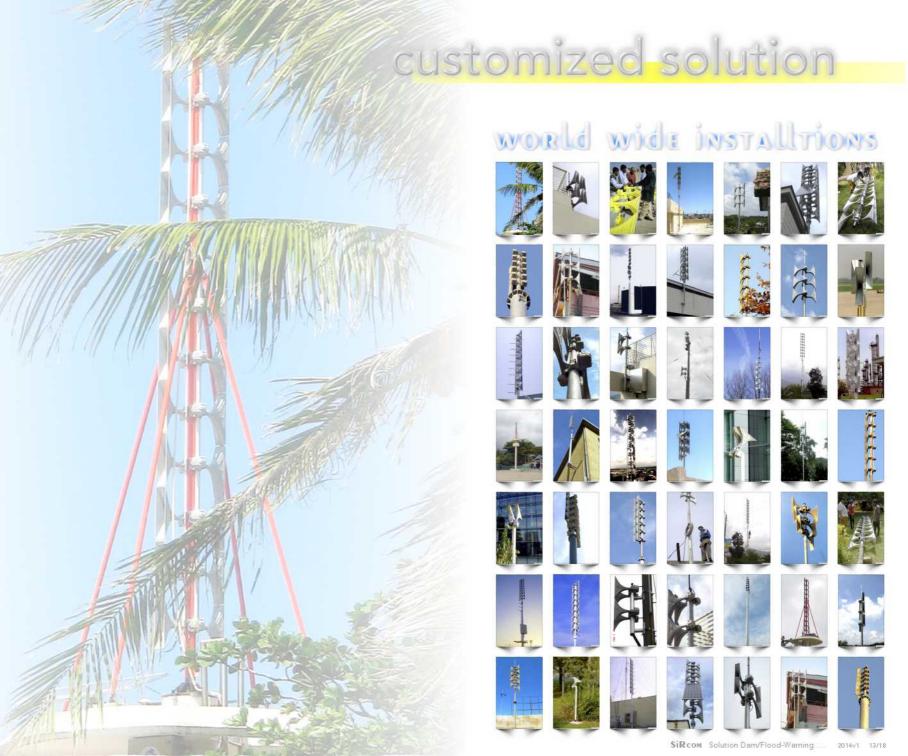
Maintenance visits are minimized by the remote status monitoring feature.

Bi-Directional Communication

A bi-directional communication between control station and sirens gives the status of the communication and state of the equipment in real-time.

Siren Silent Testing

The sirens are tested by using the normal output power with a high frequency where it generates no Sound Pressure Level but gives a real measuring value controlled from and to the control station.



Customers/References























































































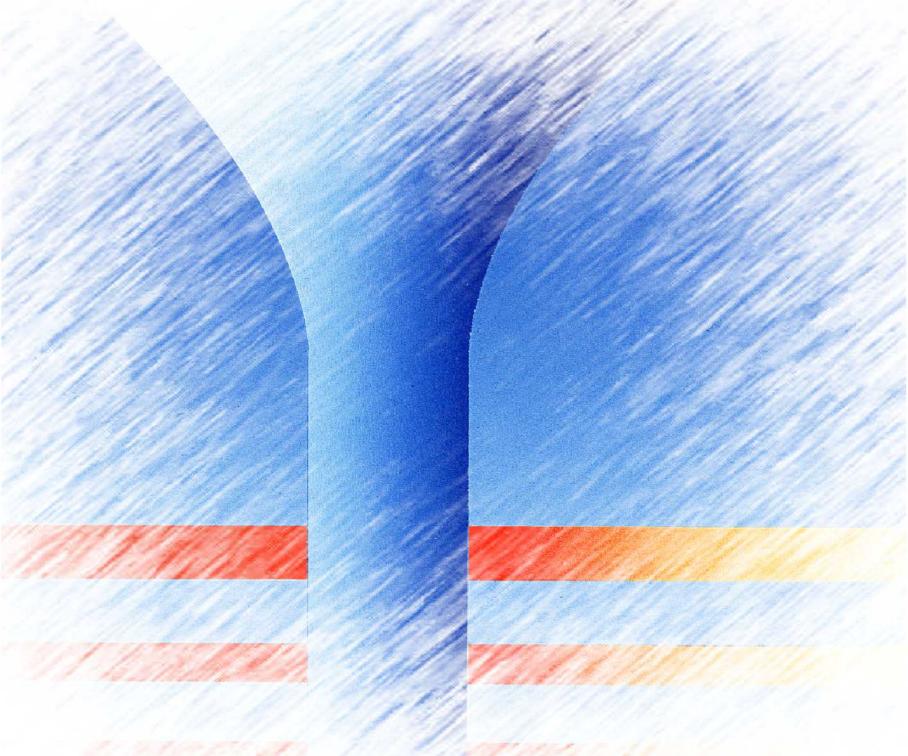


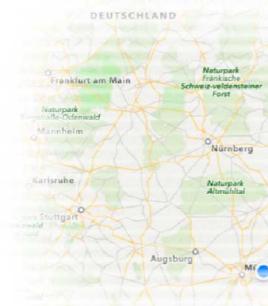




Projects implemented

1993 Esso Singapore, 1994 C.D. Kroatia, C.D. Sweden, Hydro Power Kroatia 1995 C.D. Kroatia, C.D. Czech Republic 1996chemical plant INA, chemical plant QAFCO-3, chemical plant Henkel, military bases Algeria 1997 nuclear power plant Mochovce, chemical plant HOECHST, chemical plant QAFCO-1&2, C.D. Sweden 1998chemical plant Henkel, nuclear power plant Temelin, chemical plant Schering, C.D. Sweden, City of INNSBRUCK, City of MERAN 1999 chemical plant MERCK, chemical plant QVC, chemical plant SHARQ 2000 nuclear power plant PAKS, chemical park LINZ 2001 chemical plant QAPCO-1, steel factory CORUS, chemical plant RADICI, C.D. TAIWAN, C.D. LUXEMBOURG 2002chemical plant ALLESSA 2003cofee factory CR3, chemical plant QAFCO-4, chemical plant LUCHAIRE, chemical plant SANOVI, refinery TEXACO, C.D. KUWAIT, birds live VW-Dresden 2004 refinery SHELL, chemical plant Schering 2005 refinery KNPC, C.D. LICHTENSTEIN, tsunami-warning Phuket, tsunami-warning ANTOFAGASTA, military bases IRAQ 2006 refinery KNPC, military bases US-Army, C.D. TAIWAN 2007 Hydro Power Spain, oem MadahCom, golf courese Singapore, C.D. TAIWAN 2008Hydro Power Spain, oem MadahCom, golf courese Singapore 2009 Hydro Power Spain, oem MadahCom, golf courese Singapore 2010 Hydro Power Spain, military bases US-Army, oem MadahCom, golf courese Singapore, earth-quake-warning Haiti 2011 refinery KNPC, Hydro Power Spain, tsunami-warning Indonesia, oem GAITRONICS, C.D. TAIWAN, flood warning BANGLADESH, earth-quake warning Pakistan, C.D. Libya 2012 refinery KNPC, Hydro Power Spain oem COOPER, flood warning Sierra Leone, tsunami-warning Indonesia, earth-quake-warning Indonesia 2013 Hydro Power Spain, Indonesia, oem COOPER, earth-quake-warning PERU, Moldavia ...





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