# IHM COM53 Applications

## Substitute your leased line by using a COM53 IP solution and start saving money immediately

The annual costs involved in using fixed telephone line circuits are very often tremendous high.

To enable you to reduce the costs IHM have developed the COM53 IP interconnect unit which is able to substitute the presently known 2/4-wire telephone line interfaces, and at the same time makes it possible for you to save money.


COM53 is using static IP addresses which provides the following advantages:

- Possibility for VPN (encryption making a Virtual Private Network)
- Interconnection control (line fault monitoring)
- Possibility for remote update of firmware and programming.

The COM53 can make use of more network configuration for example:

- ☐ The IP-network can be a company owned network.
- ☐ The IP-network can be a MPLS network.
- ☐ The IP-network can be the Internet.
- ☐ The IP-network can be via a digital link.

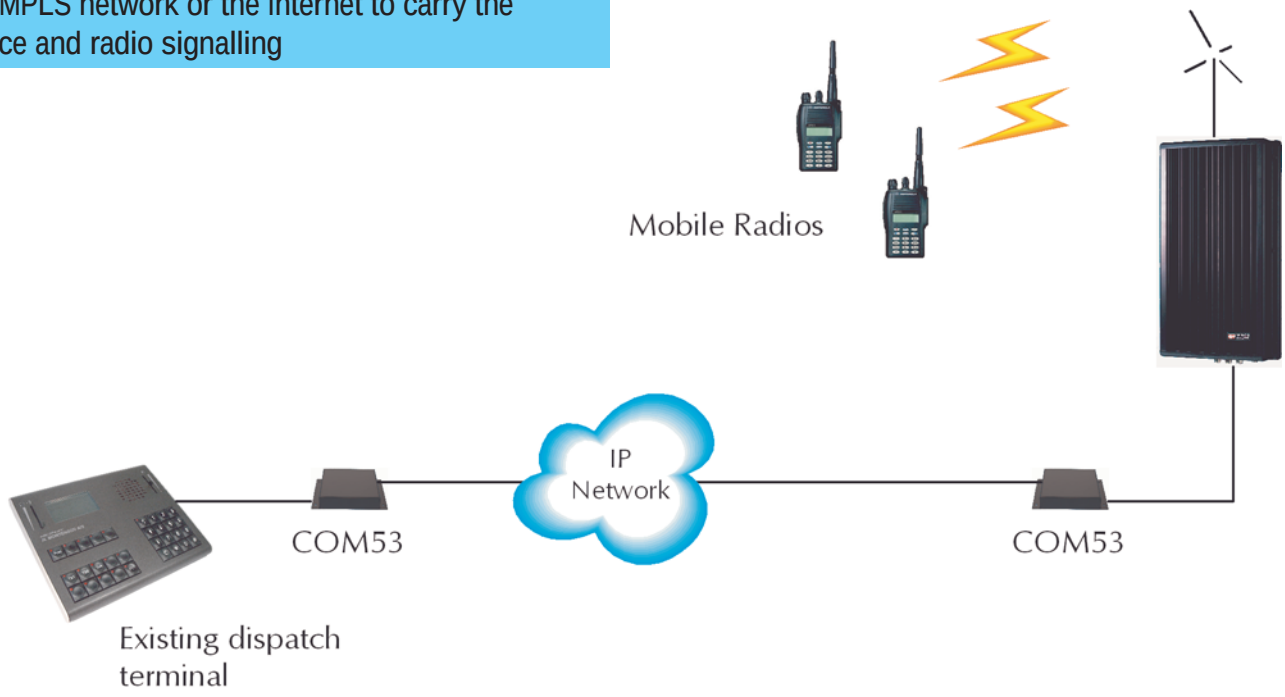
A standard 10/100MBIT LAN connector or alternatively an xDSL modem is what you need and the system will be "Up and Running"

Mission Critical Communication Solutions

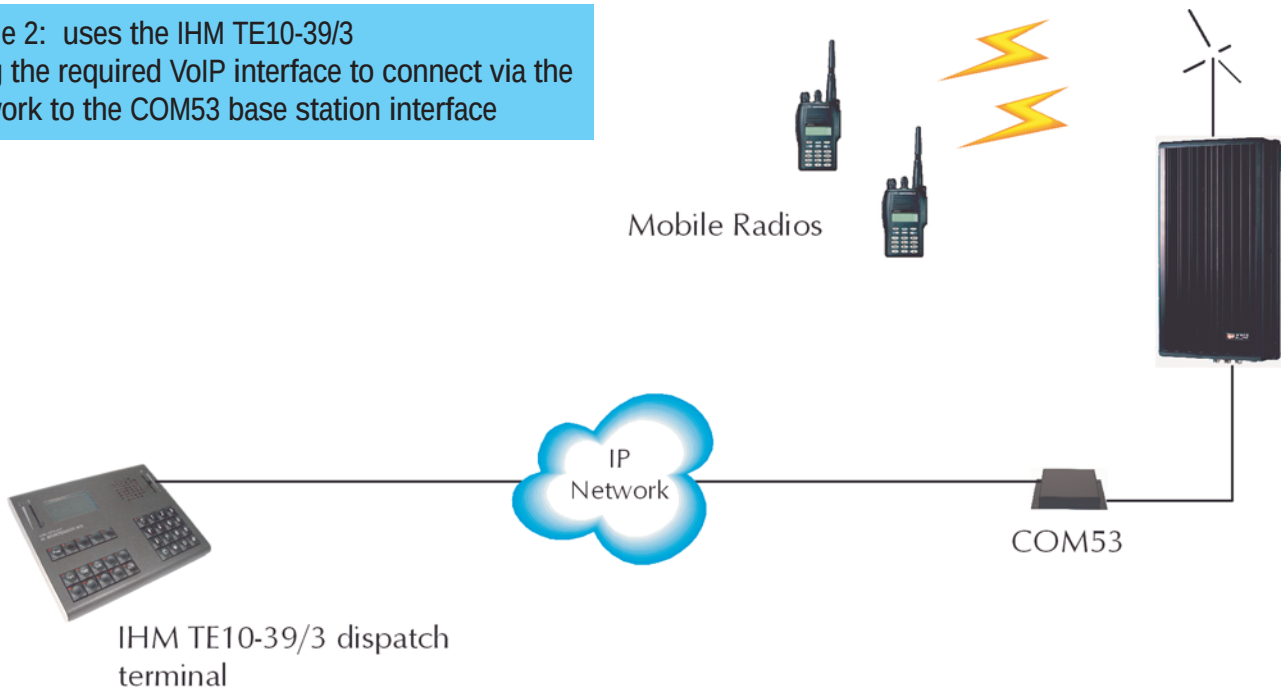
IHM P/S - Vandtaarnsvej 87 - 2860 Soeborg - Denmark - Pho.: +45 39 66 31 31 - Fax: +45 39 66 14 45 - E-mail: info@ihm.dk - www.ihm.dk

# BASIC CONFIFURATIONS

Example 1: uses either your company network, an MPLS network or the Internet to carry the voice and radio signalling

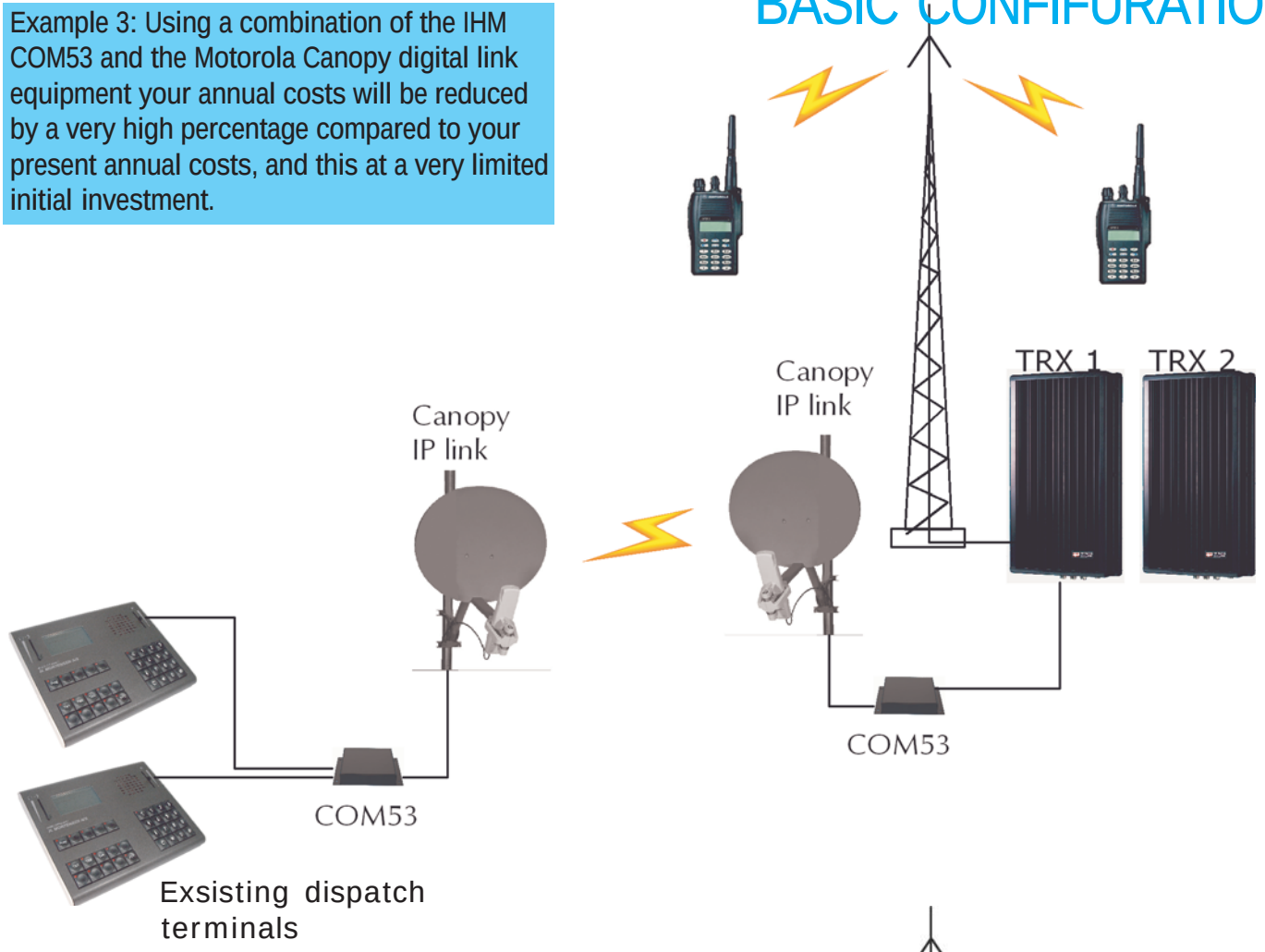



Example 2: uses the IHM TE10-39/3 holding the required VoIP interface to connect via the IP-network to the COM53 base station interface

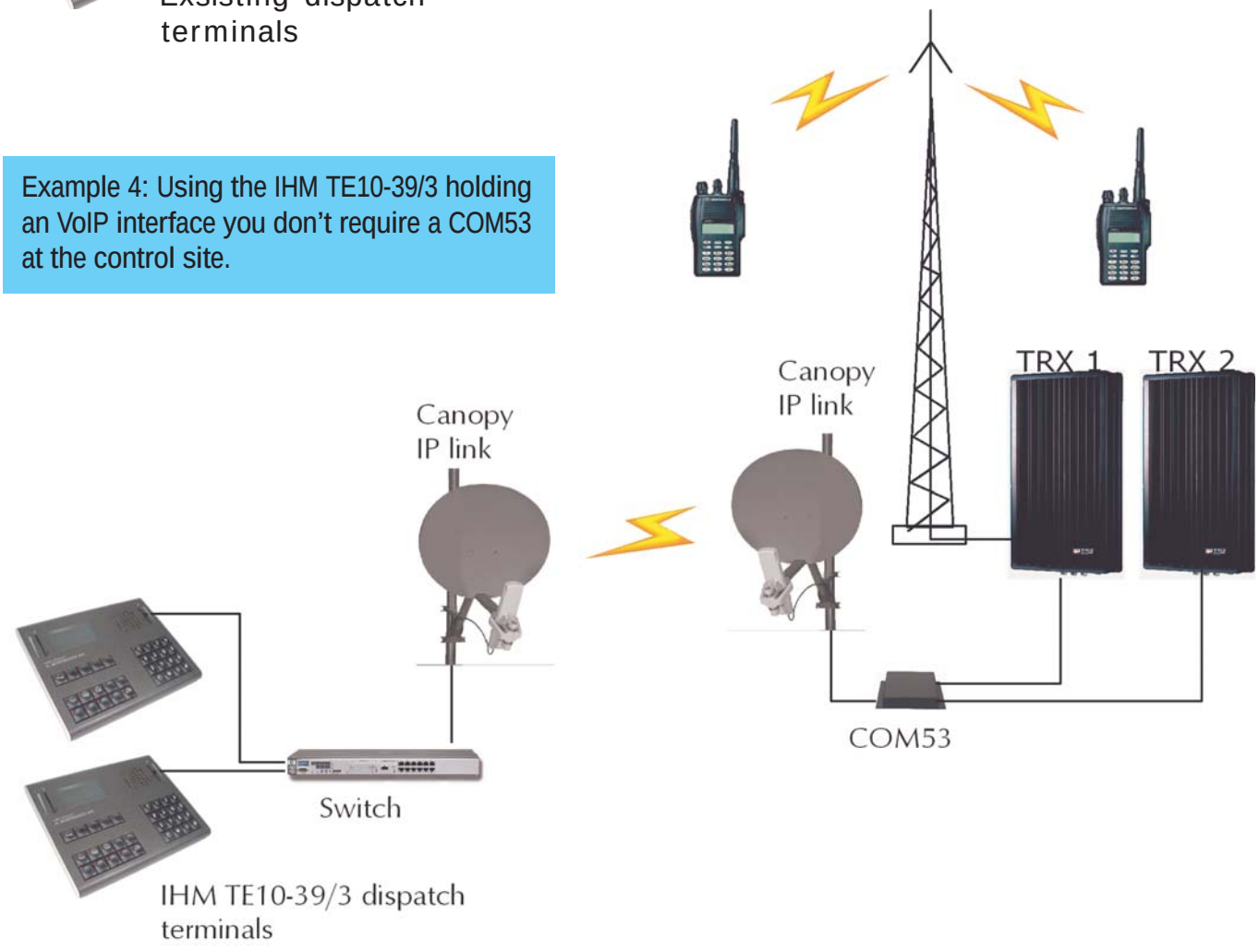


# BASIC CONFIFURATIONS

Example 3: Using a combination of the IHM COM53 and the Motorola Canopy digital link equipment your annual costs will be reduced by a very high percentage compared to your present annual costs, and this at a very limited initial investment.

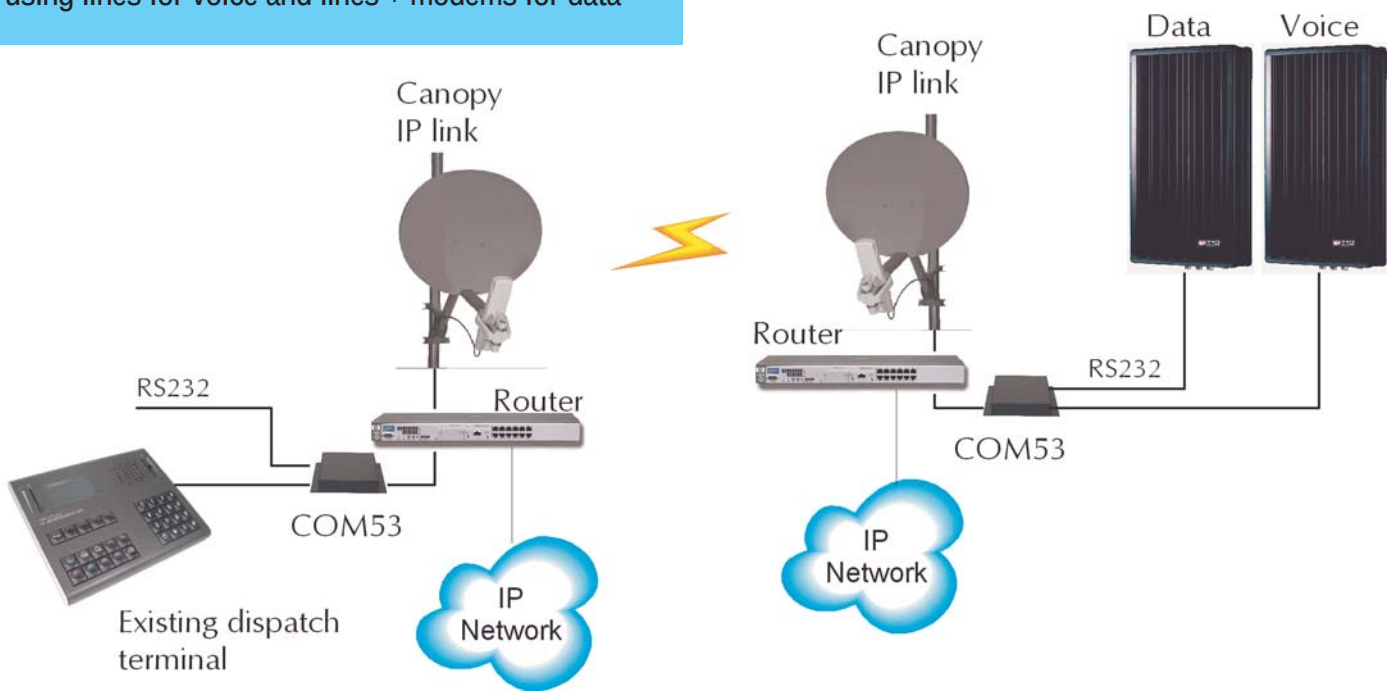



Example 4: Using the IHM TE10-39/3 holding an VoIP interface you don't require a COM53 at the control site.

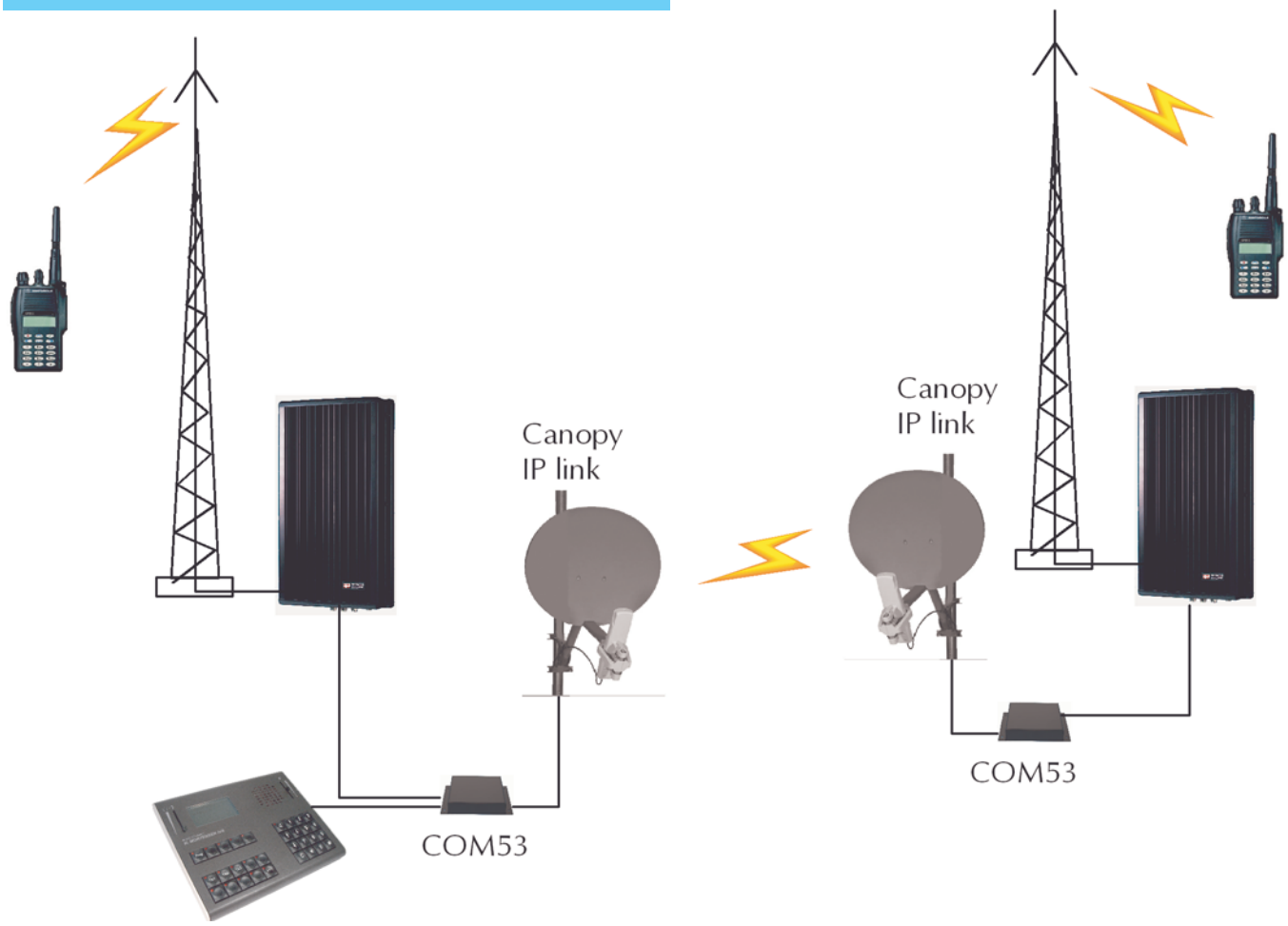


# BASIC CONFIFURATIONS

Example 5: This configuration substitutes systems using lines for voice and lines + modems for data




Example 6: A configuration suitable for systems having both a local and a remote base station, where cross connect is required.



# Intuitive and easy implemented solutions

The COM53 is a Base Station interface equipped with Voice over IP interface.
COM53 can be using either an uncompressed UDP communications protocol or alternatively an ADPCM (32kbit) compressed UDP protocol.
Both protocols are allowing the normally used signalling protocols such as CCIR, ZVEI, EEA and FSK to be transferred through the IP-connection without any kind of degradation.

The COM53 units are making use of static IP-addresses which makes it possible to provide "Interconnection control" (line fault monitoring).

COM53 is equipped with two Base Station interface circuits, each of them equipped with a number of useful repeater control facilities like:

- 6 (non relay) output ports for channel control
- 5 Input ports for fault monitoring
- Select 5 de- and encoder for repeater control

The COM53 is available in two versions, one with two Base Station interfaces and the other with one Base Station interface and one data port for Pocsag signalling towards text pagers.

**Ingeniørfirmaet *H. MORTENSEN P/S*, established in 1981, is one of Denmark's leading manufacturers of solutions and equipment for Radio- and Tele Communication.**

**The company develops, sells and services unique customer designed applications, primarily for fire, rescue- and security services on the Scandinavian market. But also Air Traffic Control, Track to Train communication as well as Coastal Radio Stations and Off Shore Communications systems are sold world wide.**

**The company, which employs 30 skilled staff, is situated in Søborg (Copenhagen), and has a subsidiary in Norway.**

**Ingeniørfirmaet *H. MORTENSEN P/S* is into an expansive phase with new challenges on the European market.**

***It is our goal, with the use of own and other innovative products, to be a leading system integrator either direct to customers or via selected partners, primarily within mobile communication based on PMR, GSM, TETRA and coming wireless networks***

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