

NUMCOM Product line

 A product range dedicated to Railway telecommunication

NUMCOM product line

SIEMA applications, 100% subsidiary of Vossloh Cogifer is an industrial company active since over 50 years in the telecommunication railway field, basing its success on technical innovation and giving to its customers the best of technology with innovative solution from analog standard to VoIP and optic fiber. SIEMA applications allows communicating everywhere over any kind of network.

NUMCOM-4000

Is a railway modular telephone switch allowing the main following functions:

- ▶ Centralization of all the specific telephony lines (signal, level crossing, shelter, signaling equipment room, ...)
- ▶ Management from a console, everywhere on an IP network, locally or in OCC center
- ▶ Automatically re-routing communication toward pre-programmed console or line
- ▶ Centralization of all cab radio and GSM-R interface
- ▶ System with high availability with redundancy of vital sub-system and re-routing transmission circuits
- ▶ Fast maintenance with hot plug system, and alarm transmission to maintenance center (SNMP protocol)
- ▶ Live functional modification of console by using a login/password system
- ▶ NUMCOM-4000 is a full hybrid system supporting all interfaces (analog, digital, IP, optic fiber) and usable in a full IP network with a call manager



Outdoor telephone set for railway (PTE)

Siema applications provides a large range of outdoor telephone set using copper wire, GSM-R, optic fiber, or IP network.

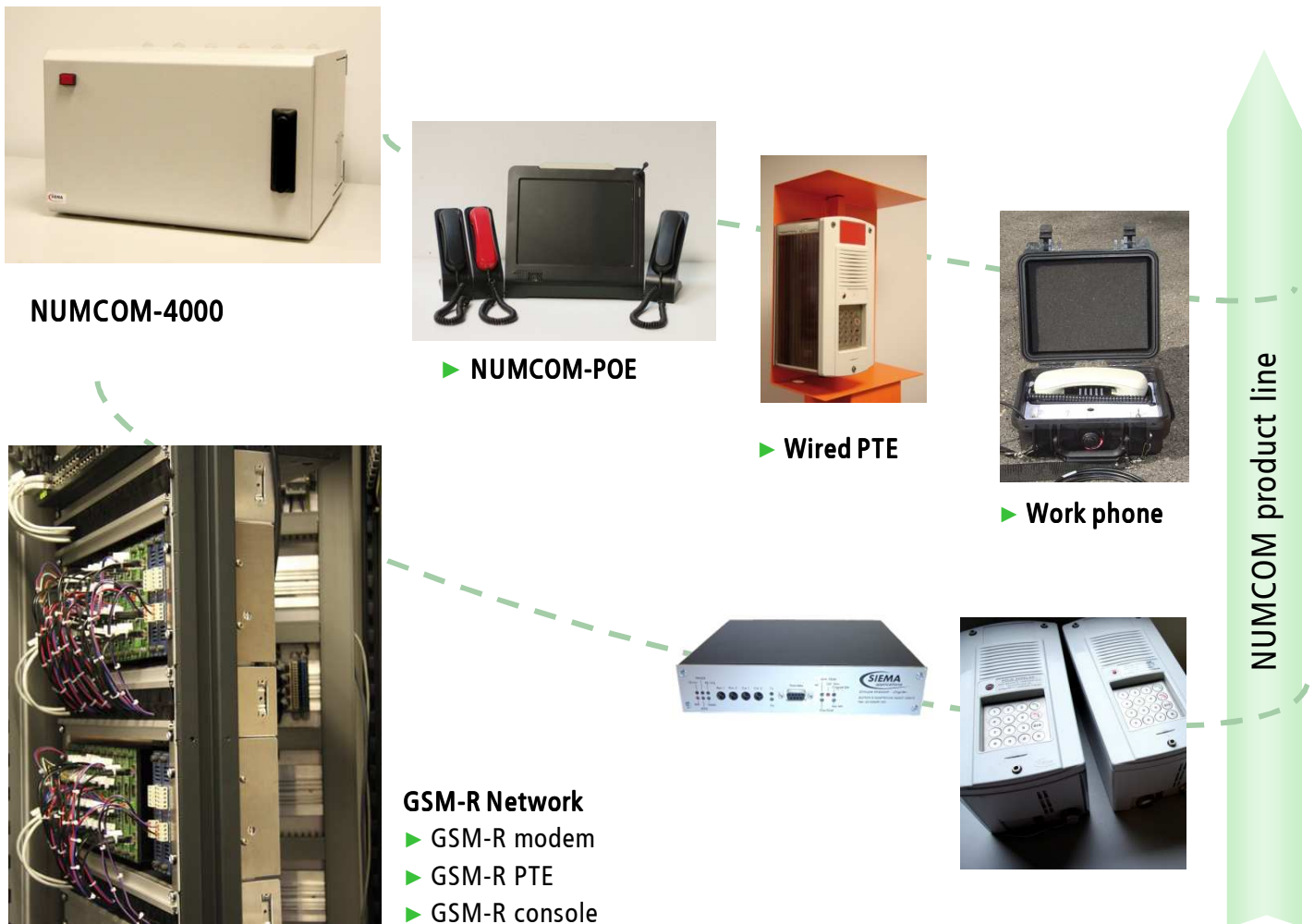
Telephones are vandal-resistant, telemaintained, and can be self powered by solar panel.

Different versions are available : fixe and portative.

The NUMCOM product line is a range of railway safety telephony products based on digital technologies. It is composed of:

- ▶ Outdoor telephone set: wired version (copper or optic fiber) or radio version (GSM-R).
- ▶ Work phone.
- ▶ Digital switch.
- ▶ Digital operating consol.

With digital technology and its modularity, the NUMCOM product line allows interfacing with analog connections dedicated to the railway environment (Western, 5 tones...) as with digital connections (Ethernet, SDH, optical fiber...)



IN BRIEF

- ▶ A large product line from telephone set to consol.
- ▶ Numerical technology.
- ▶ Can be connected with standard analog equipment.
- ▶ Can be connected with new communication support: Ethernet, Optic fibre, GSM-R...

Operating console and telephone switch can be used in a full IP Network without geographical constraints and connected to a general or regional call center.

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References

Alstom Transport
COSEA/INEO (Tours Bordeaux line France)
ENR (Egyptian National Railway)
Eiffage
INEO
ONCF (Morocco national railway)
SNCF (French national railway Company)
SNCFT (Algerian national railway Company)
SITE
SNEF
Thales

And several others Railway companies

Vossloh Cogifer and SIEMA applications experts are ready to help any railway or urban networks to examine a specific technical and economic solution adapted to their telecommunication requirement.

For further information, please contact :

SIEMA applications

35, rue Alfred Brinon
69100 VILLEURBANNE - FRANCE

Tel : +33 (0)4 78 85 14 14

Fax : +33 (0)4 78 68 98 44

contact-siema@vossloh-cogifer.com



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