



CONNECT5000 TETRA RADIO SYSTEM

**Tetra radio system for Safety, Rescue, Fire, Loading and
onboard communication**

Marine
communication

- **Onboard
Communication**



Specializing in secure communication



diwiton marine (part of diwiton AB)

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TErrestrial **T**runked **RA**dio (TETRA) is a digital trunked mobile radio standard developed to meet the needs of traditional Professional Mobile Radio.

TETRA standard has been specifically developed to meet the needs of a variety of traditional PMR user organization's.

This means it has a scalable architecture allowing economic network deployments ranging from single site local area coverage to multiple site wide area national coverage.

TETRA has the fully open standard and are made for critical system, Police has it in Sweden and then its called RAKEL.



Damm is one of the largest Tetra manufactures, Damm only manufacture base stations and no hand terminals this will make them expert on manufacture base stations which will work perfectly with every manufacture on the market for hand portable stations.

Damm base cabinet with 1 (one) carrier, this will give you 3 speech channels and one data channel on a single frequency. The system works with "floating" channels which means that the system will allocate you a "free" channel for the moment. This will optimize the channels and you need only one frequency.

Time slots are used so more than one conversation can use the same channels.



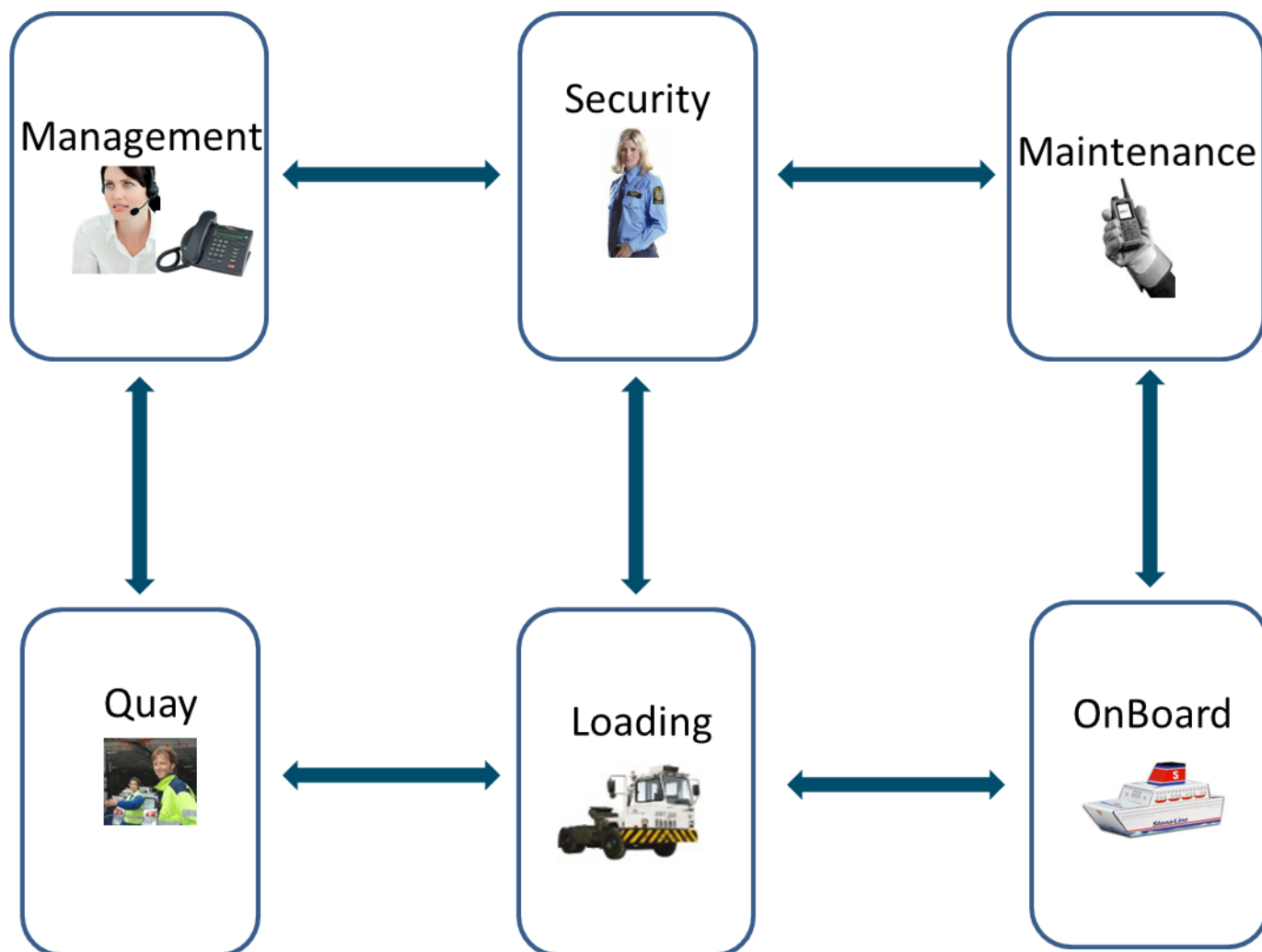
Sepura is a global leader in the design, manufacture and supply of digital radio products, systems and applications developed specifically for business and critical communications.

Our complete communications solutions enable the emergency services and users in the public safety, transport, utilities, oil and gas, manufacturing, construction and leisure sectors to face their critical communications challenges.

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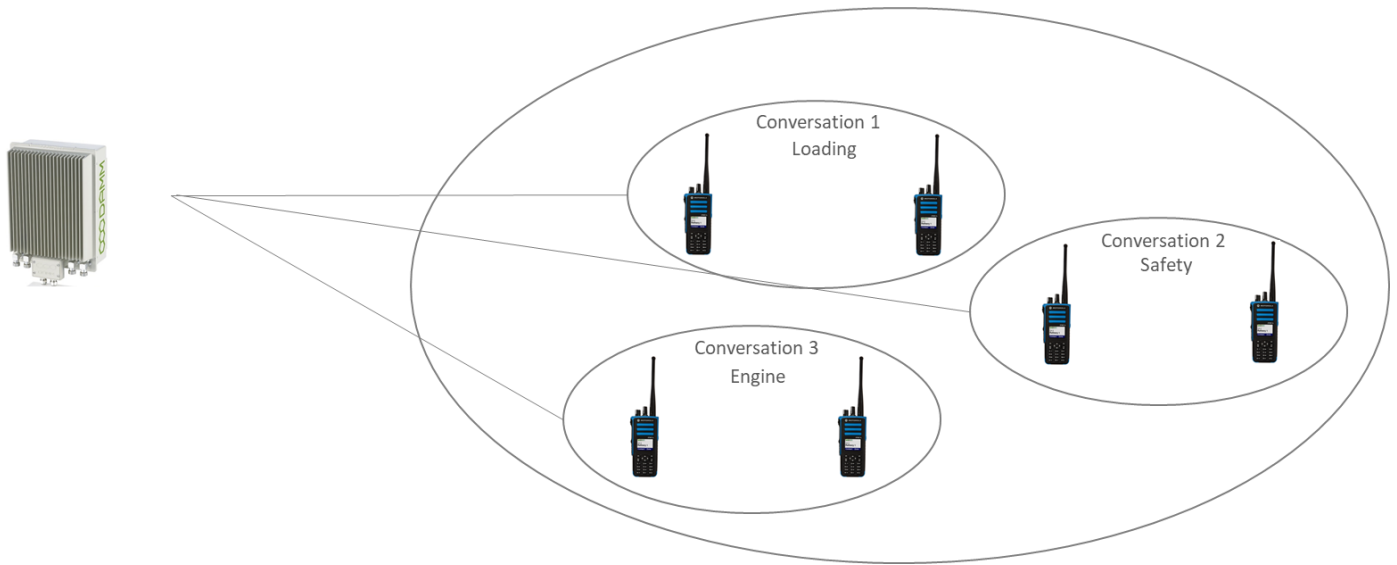
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- ALARM MESSAGE INPUT
- EMERGENCY INPUT
- TELEPHONE



- VOICE RECORDING
- GPS POSITIONING
- MMS
- TELEPHONE
- TELEMETRI
- Etc. etc

- MAN DOWN OUTPUT
- EMERGENCY OUTPUT
- RELAY OUTPUTS FOR DOOR CONTROL
- TELEPHONE

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System overview

- Main equipment:
Tetra base station with 3 speechgroups
240V AC Emergency power
- Main Antenna system:
1pcs 3-channel combiner
3pcs 4-channel combiner
Antenna cable and connectors
- Antenna network:
12pcs Indoor antenna
1pcs Outdoor antenna
Antenna cable as option
- Handportable terminal:
20pcs Tetra handportable terminals
20pcs desktop charger
15pcs Speaker microphone
5pcs Peltor headset
(Exchange to EX-proof if necesasary)
- Fix mounted terminal:
2pcs Tetra fix mounted terminals for Wheelhouse and Engine control room
2pcs Indoor antenna for terminals
2x10m antenna cable

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MAIN CABINET

230V AC EMG. POWER

ENGINE SUB CABINET

FIRE ALARM SYSTEM

ONBOARD TETRA SYSTEM

TELEPHONE EXCHANGE SYSTEM

COMBINER

RG-214

UHF ANTENNA HELL DECK

VHF ANTENNA HELL DECK

RG-214

RG-214

BUILDING ANTENNAS

COMBINER

RG-214

CARDECK ANTENNAS

LDF4-50A₂⁺

LDF4-50A₂⁺

LDF4-50A₂⁺

COMBINER

RG-214

ENGINE ROOM ANTENNAS

TETRA SYSTEM

Index		AS BUILT Revision		21.12.2016	Date	Name
Trans. No.	Rev.					
Date	Name	Signature	Signature			
Designer	12.09.16	Project Manager	DWITON MARINE		Project No.	
Drawn			BATTERIVÄGEN 4 461 38 Thn			
Model			TETRA SYSTEM		Proj. No.	
				Rev.	1	Sheet

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