

Protocolos  
Nacionales  
No-Otan



**tecnobit**  
grupo oesia

 **Comunicaciones Tácticas** > Tactical Data Links

# Openlink TDL System, for National Tactical Data Link Networks

*Openlink is a TECNOBIT's Tactical Data Link complete System and Processor, with proprietary Tecnobit Tactical Data Link protocol (Openlink), ITAR free and specifically designed for supporting National Data Links.*

## Key Advantages:

**Openlink protocol is designed with the tecnobit expertise and knowledge in TDLs**

**Openlink Data Model and Functional areas, equivalent and compatible to conventional NATO TDLs**

**Modular Integration with existing Command Management Systems (CSM) and National Cypher (Modular and Adaptable)**

**OpenLink does not contain NATO Data Link Protocols and/or related GFEs. (Unrestricted Exportability )**

**OpenLink could be easily extended to support dataforwarding with TDL NATO protocols, if required. (Scalability)**

**Ready to use in standalone mode in platforms in which an upgrade of the CMS is not required. (Coexistence with Legacy Systems)**

## Main Technical specifications :

- OpenLink Ground/Land, Naval and Airborne SW/HW versions are available.
- Hardware equipment based on Customer's requirements.
- OpenLink combines TECNOBIT's Tactical Data Link protocol and Rockwell Collins' SubNet Relay (SNR) (other SNR equivalent systems implementations are available).
- OpenLink is compatible with standard IP cryptos and conventional HF/UHF radios.
- National crypto devices and other related GFE could be integrated within this solution.
- Can dataforwarding with NATO TDL protocols like Link-22 and Link-16.
- OpenLink processor is compatible and can be integrated with other TDL solutions, such as TECNOBIT's tactical CMS (Command Management System) console, VITAL. Compound a complete TDL System TDL (CMS VITAL + OpenLink DLP + Network Manager/Modems + Radios)
- Coexistence with Legacy Systems: Ready to use in standalone mode in platforms in which an upgrade of the CMS is not feasible. Different integration modes available.



## TDL Specifications:

PARAMETERS	DESCRIPTION
Main Tactical Data Links Capabilities (Functional Areas)	<ul style="list-style-type: none"> <li>• Participant Localization and Identification (PLI).</li> <li>• Surveillance information exchange.</li> <li>• Anti-Submarine Warfare (ASW).</li> <li>• Electronic Warfare (EW).</li> <li>• Tracks/Points Amplification Data.</li> <li>• Data Filtering.</li> <li>• Tracks Management and Weapons Coordination.</li> <li>• Control operations (commands, engagements coordination and status, etc.).</li> <li>• Receipt/Compliance Procedures: Force orders management.</li> <li>• System and Platform Status.</li> <li>• Addressing.</li> <li>• Threats alerts.</li> <li>• Manual / automatic contacts correlation</li> </ul>
Openlink CMS Console (VITAL)	<ul style="list-style-type: none"> <li>• VITAL console uses and integrated Luciad Lightspeed as GIS engine. <u>Luciad</u> is a COTS GIS engine focuses uniquely on the domains of Defense, Security and Aviation, for situational awareness in these domains.</li> <li>• VITAL can integrate platform sensors.</li> </ul>



### Headquarters:

Calle Marie Curie 19, 4ª planta  
28521 Rivas-Yaciamadrid (Madrid), Spain  
Telephone: +34 916 617 161 Fax: +34 916 619 840

### Factory:

Calle Fudre, 18  
13300 Valdepeñas (Ciudad Real), Spain  
Telephone: +34 926 347 830 Fax: +34 926 312 896

[grupooesia.com](http://grupooesia.com)

[tecnobit.es](http://tecnobit.es)

[producto@oesia.com](mailto:producto@oesia.com)