



ENABLING FILE TRANSFER BETWEEN VESSELS AND SHORE

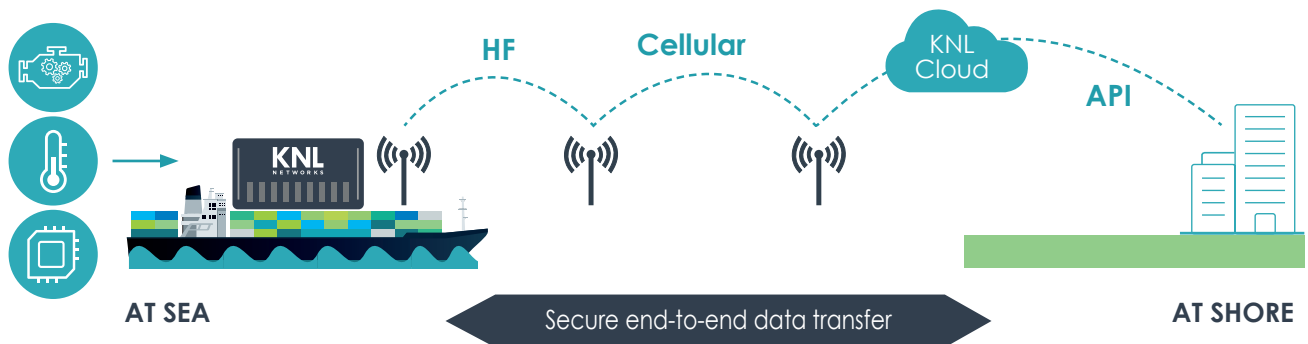
FILE is an efficient and cost-effective way to manage your IoT data. We offer a unified service for transferring data between vessels and shore. Data of every kind is transferred in a file format by applying very strong security.

FEATURES AND FUNCTIONS

- Bi-directional data transfer
- Strong end-to-end security
- No limitations on data content
- Simple API integration to existing IoT solutions
- Full visibility on data transfer status
- Data prioritization for timely transfers

HOW IT WORKS

The FILE service connects devices and data collection entities in vessels with on-shore control systems. KNL Networks handles the data transmission between the radio on-board ships and KNL's cloud portal securely and efficiently without location restrictions. On both ends, the simple API allows sending, receiving, and querying for transfer status of data.



TECHNICAL FEATURES

FEATURE	
API PROTOCOLS	HTTPS and JSON based API specifications with example code
DATA ENCRYPTION	AES 256
API SECURITY	256-bit long unique key to access FILE
FILE SIZE LIMITS	Max size for a single file is 16 MB. Files over 512 kB are sent over mobile connection when available for ship
DATA PRIORITY	Two priority classes – 1) immediate sending 2) over mobile broadband connection