introducing the Turrem Data Group, otherwise known as TDG, who play an important role instructing the maritime community in the dangers of data insecurity in its many forms.

**Cyber-attacks in the maritime industry**
Recent years have seen rapid growth in the reach and complexity of cyber-attacks in the maritime business. Without doubt cyber security has become a major concern and should be considered as an integral part of overall safety management in shipping and offshore operations.

**Cyber security becoming critical**
With the increasing use of systems with embedded software, cyber security has become critical not only for data protection but also for reliable operations.

As TDG says on its website home page: ‘*Cyber security is not just a matter of firewalls and antivirus software with up to 90% of all cyber security incidents attributed to human behaviour.*

‘*It is well known that phishing and social engineering, unintentional downloads of malware and so forth are common issues. At the same time, most ships’ crews and onshore staff are insufficiently prepared for handling cyber-attacks with the result that damage fails to be controlled.*’

Furthermore, readers will see a link below to the invaluable web-based publication *Phish and Chips* and an opportunity to join the Be Cyber Aware At Sea mailing list:  
https://www.becyberawareatsea.com/so/3MK6nQxw?cid=35255aae-9c21-451d-a311-46ddc5ad16a0#/main

Issue 21 of *Phish & Ships* attempts to keep the reader up to date with the shipping and offshore industry initiative known as Be Cyber Aware At Sea.

This month (August 2018) the effects are assessed of another major shipping company, COSCO, having fallen foul of a ransomware attack.

Issue of the publication is once again generously sponsored by TDG Cyber Marine.