

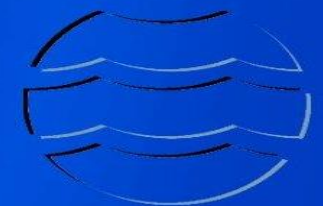
Cybersecurity in the supply chain

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Prepared for Austrian Federal Economic Chamber
Transport and Logistics Division

Monday 04 November 2024





International Maritime Bureau

Founded 1981 – anti-crime unit of ICC

Non-profit making membership organisation

Fraud & malpractice on International Trade

Preventative Services – Bs/L, CEP, vessel reports, company reports, Courses

Investigative Services – PRC, cargo / hull claims

Unique Confidential Database



Cybersecurity Fraud

- Fraud committed through misuse of electronic communications
- Risks: data loss, operational shutdowns, financial loss, reputational damage or safety compromise
- Hacking Vs. Phishing
- Malware
- Ransomware
- Man in the Middle Fraud / Payment Misdirection



July 2023 to 2024 – 27 publicly reported incidents

- Port of Seattle (United States)
- JAS Worldwide (Global)
- Baltic Airlines (Baltic & East Med.)
- Radiant Logistics (United States)
- DP World (Australia)
- Polish Railways (Poland)
- Port of Nagoya (Japan)



Cyberattacks in shipping

- Breach IT systems that control movement and location of containers
- Malware & key loggers
- Inside Man?
- Customs clearance
- Container PIN fraud
- EUR 20K to 300K per code
- Maersk – NotPetya. 45,000 PCs & 4000 servers. Total cost – USD 250-300 million



Knights of Old

- Large, private, UK haulage co. Formed 1865.
- June 2023. Ransomware attack
- Operations & financial systems affected
- Sensitive data compromised
- Substantial financial damage
- Unable to secure investment and funding
- Oct. 23. Administration. 730 redundancies



Man in the Middle / Payment Misdirection

- Compromise emails using malware
- Email rules
- Watch and wait
- Intercept emails, amend invoice & bank account details
- Email malware link to contacts list



Spooferd Carrier Websites

pilships.com

[Contact us](#)

PIL Our Promise, Your Satisfaction

[Shipment Account Login](#)

We have customers who have been with us for over 40 years - that speaks volumes.

50 YEARS SINCE 1967

Pacific International Lines - Overview

We are a privately held company incorporated in Singapore that operates a range of businesses spanning from shipping to container manufacturing and other logistics related services, with the core of our business in container shipping.

Incorporated since 1967, Pacific International Lines has developed from a coastal ship-owner/operator in Singapore, into one of the largest ship-owners in Southeast Asia with a focus on Asia-Africa and the Middle East. Today, PIL is ranked 15th amongst the top containership operators in the world, offering container liner services and multi-purpose services at over 500 locations in 100 countries worldwide, employs about 18,000 employees worldwide.

Expansive Operations - we have presence worldwide

PIL currently operates Container Liner Services covering the whole of the Far East to:

- Europe,
- Canada,
- the Indian sub-continent,
- Red Sea/Gulf.



Spoofer Carrier Websites

The screenshot shows a web browser window with a security warning: "Attention Be ALERT : FAKE website : www.pilshipS.com, Do Not access this Fake website". The browser address bar shows "www.pilship.com/en-pil-pacific-international-lines/1.html". The website header includes the PIL logo and navigation links: "Our Group", "Our Services", "Our Fleet & Equipment", "Careers", "News & Events", and "eService". The main content area features a large banner with the text "We offer shipping services at over 500 locations in 100 countries worldwide." and a "PIL Today" section. Below the banner are four smaller sections: "History & Milestones", "Our Values & Mission", "Service Network", "Schedules", "Track & Trace", and "News". The "Service Network" section includes a world map and a "Select / Search Service Line" dropdown. The "Schedules" section has a "Select the Port and Period" dropdown and a "Submit" button. The "Track & Trace" section has a "B/L Reference Number(s)" input field and a "Submit" button. The "News" section has a "Change of agency appointment in Gabon (Libreville)" article with a "Read more" button. At the bottom, there is a banner for the "Belt and Road" initiative, featuring the Chinese characters "一带一路" and the website "beltandroad.zaobao.com".




Fake NVOCC Websites


CCS CRM CCS CRM Planner hronline - Login Manager Dashboard - h maconshipping maconshipping MaconShipping.com W

maconshipping.com

Imported From Firefo Voxhub Coordinator Scamadviser.com | ch Check Digit Calculator Sign in to Microsoft VIT Customer Support My Home - IHS Marit Terrestrial & Satellite Commercial Crime Se Commercial Crime Se Whois Lookup, Doma



HOME THE COMPANY SHIPPING SOLUTIONS SERVICE FOR RECIPIENTS



Shipping Solutions

Macon Shipping Co.,Ltd. Established in 1995. We provide solutions for sea transportation worldwide. MSCL offers reliable sea transport services to companies and individuals. MSCL, your reliable partner for global business.

User ID

Password

Login

Track&Trace

B/L,Booking NO. B/L,Booking NO. Container NO.

Search



Macon

HOME THE COMPANY SHIPPING SOLUTIONS SERVICE FOR RECIPIENTS

Cargo Tracking Result

Booking NO.	Document NO.	Late
BR5442	BR5442	V

Depart
Port of

Tip

Tracking

Shipment references

Booking NO.	BR5442
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Container details

Container NO.	Size	Type	Total weight	Returned	Customs Status
None	235m*38m	Bulk Carrier	95,328.14MT	No	Normal

Document details

Document number	Freight Status
BR5442	Prepaid

Transport plan

Activity	Location	Date, Time	Vessel/Carrier	Voyage
Gate In Export Full	Tubarao, Brazil	2016-08-26	CMB Van Mieghem	023E
Load Full	Tubarao, Brazil	2016-08-27	CMB Van Mieghem	023E
Discharge Full	Hamburg, Germany	2016-09-16	CMB Van Mieghem	023E

Note! Dates for arrivals and departures are local date and time and estimates are given without guarantee and subject to change without prior notice.



File Message Tell me what you want to do



Fri 11-Nov-16 5:58

Alex <info@maconshipping.com>

[External] Re:Verification of Bill of Lading

To Joeli

Cc Lauren Yun Lin LI; 'Sabrina Sul'; 'Laura Gu'

Dear Joe:

Thanks for your info. B/L is issued by us and contents are genuine.
Have a nice day.

Paul Marcus
Maconshipping Co.,Ltd.
Ducomentary

84 Huntly St, Aberdeen, AB10 1TD, Aberdeenshire

TEL: +44 (0)12 1318 7161

Mail: info@maconshipping.com





Vulnerabilities to IS

- External connections to internal networks
- Remote Access
- Cloud Storage
- Shared accounts
- Unsecured WiFi / websites
- Internet of Things



FORBES > INNOVATION > CYBERSECURITY

Coffee Machine Hit By Ransomware Attack—Yes, You Read That Right

Davey Winder Senior Contributor @

Davey Winder is a veteran cybersecurity writer, hacker and analyst.

Follow



Sep 27, 2020, 10:12am EDT

.....acts as a Wi-Fi access point, with an unencrypted, unsecured connection to internal networks



Vulnerabilities to IS

- External connections to internal networks
- Remote Access
- Cloud Storage
- Shared accounts
- Unsecured WiFi / websites
- Internet of Things
- Us



Protection

- Layered security solutions
- Infrastructure updates & patches
- Cybersecurity policies
- Identify and manage risks
- Insurance
- Communicate both internally and externally
- Training and education
- Ongoing monitoring
- Readiness and response assessment



Thank you

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Website: www.icc-ccs.org

