

ClassNK

Innovation Endorsement

for Products & Solutions

Document No: 24VT03001

THIS IS TO CERTIFY that the undernoted product has been examined and found in order in accordance with manufacturer's specification.

This certificate is issued to

Manufacturer : Navarino Single Member S.A.

Place of manufacturing : Piraeus, Greece

Cyber security descriptions^{*1}:

Protection features:

- 1) Intrusion Prevention System
- 2) Application control
- 3) Web filtering
- 4) Anti-virus
- 5) Anti-Spam

Detection features:

- 6) Intrusion Detection System monitors the data traffic and analyzes it in real time
- 7) Application screening
- 8) Deceptive services using Angel's honeypot
- 9) Centralized reporting application

Response feature:

- 10) Blocking actions can take place based on policies applied

Recovery feature:

- 11) Angel virtual appliances can be easily recovered from shore



Product name : Angel

Version No. : Ver. 1

^{*1} Both part X of Class NK Rules for Survey and Construction of Steel Ships and IACS UR E27 Rev1 are not certified or implied hereby.

This certificate is subject to the conditions specified in the attached sheets.

Issued at Tokyo on 12th July 2024.



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1. Definition of "Cyber security descriptions"

- 1) Intrusion prevention system (IPS) provided by Angel makes use of the Intrusion Detection System (IDS) output and automatically block either the data stream or the entire communication between the host where the traffic is originated and the network.
- 2) The application control makes use of visibility output and protects by controlling the use of applications.
- 3) Web filtering includes 177 categories to either block or allow the access to.
- 4) An antivirus mechanism scans files traversing the network. Can detect and block spyware, adware, viruses and other malware over HTTP and FTP.
- 5) The anti-spam mechanism provides protection by blocking malicious content over email protocols like POP3, SMTP.
- 6) The Intrusion Detection System (IDS) of Angel analyzes the traffic while this passes through the networks and logs any sequence that could be malicious.
- 7) The application visibility delivers identification of application usage.
- 8) Angel's honeypot through its deceptive services detects, logs and reports any malicious act on vessels' networks.
- 9) Angel portal collects the logs of detected threats along with the actions taken, from the whole fleet.
- 10) Angel can block and contain the impact of Cyber security related incidents. In case of an incident, the SOC is alarmed and the customer is notified. Upon the customer acknowledges that the monitored action is a potential threat, Angel has the capabilities to block any network traffic from the source of the attack, assess the threat and suggest to customer actions that eliminate or mitigate the exposure overall.
- 11) A team manned by System engineers provides support, including recovery actions remotely on a 24/7 basis.

2. Documents examined

No.	DWG. TITLE
1.	infinity_solution_diagram_v1.4.
2.	Infinity Administration Manual
3.	Angel – IDS-IPS Alert and Incident sample
4.	Application visibility
5.	Angel Web-Filtering categories
6.	Angel Anti-Virus architecture
7.	antivirus_log
8.	Angel Anti-Spam Architecture
9.	Angel – IDS-IPS Alert and Incident sample
10.	Application visibility
11.	Angel - Honeypot report
12.	JS_webfiltering
13.	JS_Threatmap
14.	JS_report_setup
15.	JS_IPS_1
16.	JS_IPS_2
17.	JS_dashboard
18.	JS_app_visibility_1
19.	JS_app_visibility_2
20.	JS_app_visibility_3
21.	JS_all_events
22.	Angel Denied Traffic notification

3. Limitations

This certificate is issued upon confirmation of the functions of the product as specified in the product description & the cyber security descriptions proposed by the applicant and defined in the above 1 and 2, by review of the documents listed in the above 3 and witness of the functional confirmation tests.

Therefore, it does not intend to apply for any approval or survey of the product for the purpose of classification registration or to ensure the validity of the output of the product.

Neither the Society nor any of its officers, directors, employees, agents or sub-contractors shall be liable for any loss, damage or expense of whatever nature sustained by any person, in tort or in contract or otherwise, due to any act or omission or error of whatever nature whether or not negligent howsoever caused in the provision of services, information or advice given in any way whatsoever by or on behalf of the Society.

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