

Post Event Update 3

06/08/2020

Incident occurred: 04/08/2020 18.00 local time, 16.00 GMT (15.00 BST)

Location: Beirut

Probable cause: warehouse explosion

Impact: marine exposure; port exposure: 3 jetties

Issued by Skytek: at 12:00 GMT on 06/08/2020

Previous updates: [Update 1](#), [Update 2](#)

Summary: Following the event occurred on the 04th Aug in port of Beirut, Skytek has been closely monitoring the port and continuously adding sources of information to accurately represent the current exposure in the port. With higher resolution imagery emerging post event, we are updating the current exposure with few laid up ships near the blast site. We are analysing pre and post event satellite images taken over port of Beirut and we have bullet listed relevant points on the map and corresponding comments below.



Figure 1 - Skytek analysis of Beirut port 04th Aug 07:36 UTC- source Planet

In our earlier update, ([Post Event Update 1](#)) the Skytek REACT system recorded the ships in the port, either moored, or at waiting outside the port for a free berth during 04th Aug, and the ship type distribution for the 03rd and 04th Aug.

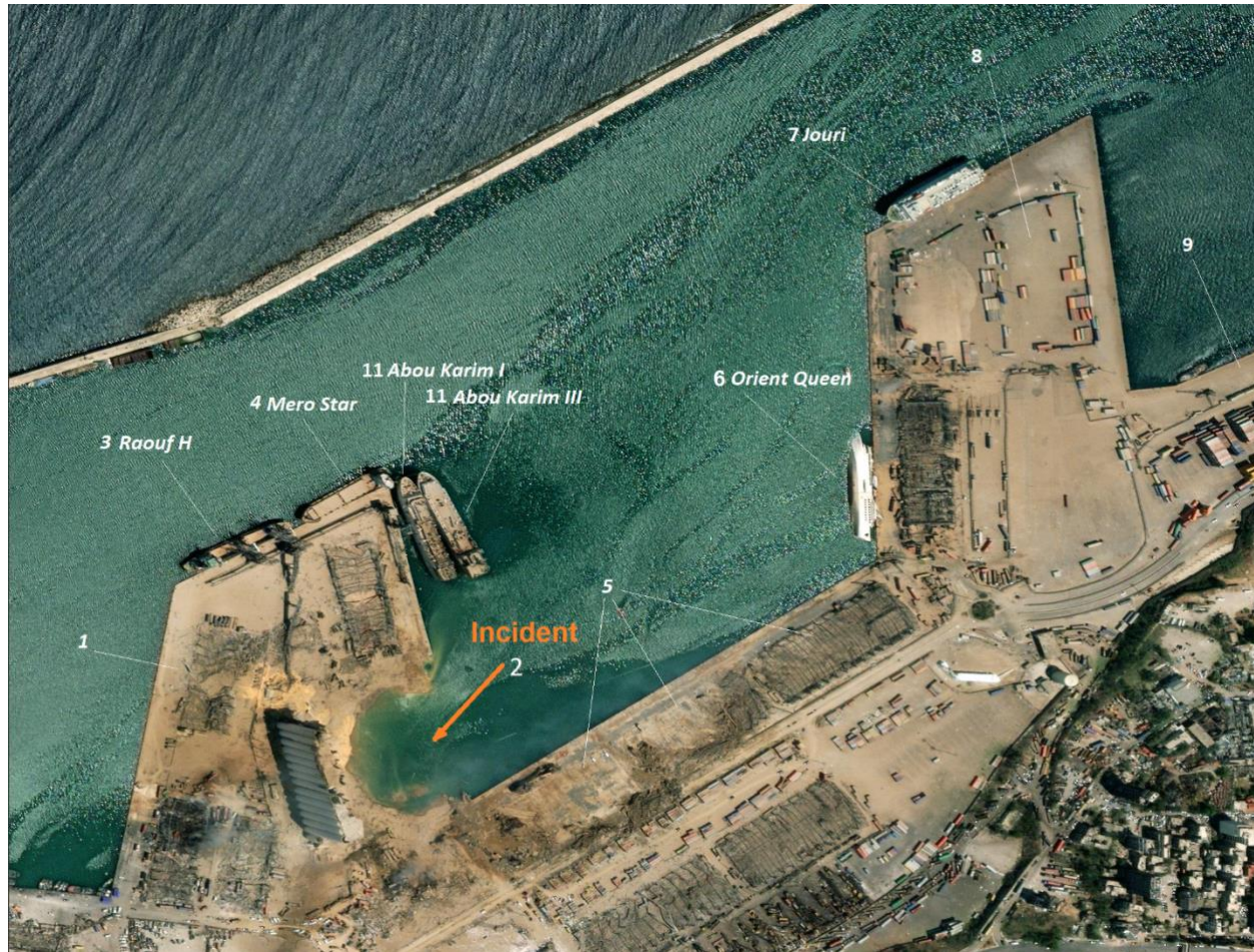


Figure 2 - Skytek analysis of Beirut port 05th Aug 2020 – source Digital Globe

Section numbers below refer to numbers within figure 2.

1. The 5 warehouses at the general cargo terminal have been totally destroyed, the grain silo is only partially standing and is badly damaged
2. The wharf appears to have been built on pillars, the area corresponding to jetty 9 warehouse has been pierced, a round hole has been left post explosion.
3. **'Raouf H'** IMO - 8325535 from the satellite imagery it appears the conveyor belt next to the ship looks damaged, it is not immediately clear if ship suffered damages, but is still docked at jetty 8, however with its AIS tracker off.

4. **'Mero Star'** IMO - 8321682 is docked in same spot but has turned off her AIS transponder, satellite imagery do not highlight visible damages although expected,
5. Along jetty 10 there were 8 warehouses set in two lines, all of them have been teared to the ground.
6. Jetty 11 where the **'Orient Queen'** IMO - 8701193 cruise ship which was post explosion observed capsized, leaning on her starboard side alongside the jetty has subsequently sunk at the jetty, and her AIS transmission has also ceased. The vessel was 0,5 Km away from the blast. The warehouse just behind the ship appears to have the roof destroyed too.
7. **'Jouri'** IMO - 9174775 at jetty 12 has her bow facing the blast site and is at 1.4km away, without apparent signs of major damages as revealed by satellite imagery.
8. Jetty 12 seems to be the area where cars are parked, before the blast the lot appears relatively empty, hence Skytek expect that car damages can be ruled out.
9. No visible damages from the satellite image going further to jetty 14, containers stored on the pier (from dock 14, included), do not show signs of damage, same for the car-carrier **'City of Rome'** IMO - 9174763.
10. Along jetty 16, the container terminal is observed in high resolution photo as without apparent major damages, the 16 shore crane seem to be in order, with their Jib secured in up position as not in operation, and the large container ship **'CMA CGM Lyra'** IMO - 9410806 moored at the farthest end of the terminal looks undamaged.
11. With higher resolution imagery we have identified two livestock carriers that are double-banked near jetty 9, being laid up, with their stern towards the blast site.
Abou Karim I – IMO 7120768 for which we pick last AIS transmission in this position on the 29th Dec 2015
Abou Karim III – IMO 8003060 that has joined the laid up on 23 Oct 2018.
Both ships belong to Khalifeh Shipping Line Co.
12. UNIFIL reports that one of their ships of the Maritime Task Force was in the port and suffered damages and injured crew. Skytek identifies the ship docked at the farthest end of jetty 6, opposite to the blast site.

Additional information can be provided on request.

About Skytek

Skytek is an award-winning software company specialising in the creation of innovative solutions for a range of complex and demanding industries. It has an enviable track record in developing world class software solutions for some of the most challenging industries. The company has unparalleled expertise in the Space environment, where it has decades of engagement with the European Space Agency and NASA. It has also developed intelligent software solutions to other industries, including Marine transportation, Aerospace, Defence and Insurance.

Web Site: <http://www.skytek.com>

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