

CUSTOMER:	OFFER DESCRIPTION :	DATE:
MINISTRY OF ECONOMY AND SUSTAINABLE DEVELOPMENT OF GEORGIA	RESEARCH OPERATION OF M/V STELLA AND HER MISSING CAPTAIN	30/12/2013
	OFFERED DETAILS :	REFERENCE NUMBER:
	IGNATIOS SPANOPOULOS NAFTILIAKI, EMPORIKI & TECHNIKI S.A. KATO POUNTA, AMPELAKIA, SALAMIS- GREECE V.A.T. NUMBER: 094383485, TAX OFFICE: E' PIRAEUS (SALAMIS- E' PIRAEUS)	

RESEARCH OPERATION CALENDAR

Num.	WORK DESCRIPTION	DATE	TIME	COMMENTS
1.	DEPARTURE FROM SALAMIS ISLAND	19/12/2013	15.45	TUG SAILS FROM OUR FACILITIES WITH 3 MEN CREW AND 2 GEORGIAN PASSENGERS
2.	ARRIVAL AT DIAFANI PORT OF KARPATOS	20/12/2013	19.15	ARRIVAL AT KARPATOS AND COLLECTION OF THE ROV'S OPERATORS
3.	START OF RESEARCH OPERATION	21/12/2013	5.15-00.20	5.15-7.30: VOYAGE FROM KARPATOS TO ASTAKIDA 7.30-21.00 RESEARCH OPERATION – THE OPERATORS MAKE 3 DIVES WITH THE ROV AND THEN START SEARCHING WITH THE SONAR .AT 21.00 THEY STOP THE OPERATION DUE TO BAD WEATHER ON THE RESEACH AREA 21.00-00.20 RETURNING VOYAGE TO KARPATOS
4.	SECOND DAY OF RESEARCH OPERATION	22/12/2013	21.30	21.30: TUG SAILS FROM KARPATOS TO ASTAKIDA ON IMPROVED WEATHER CONDITIONS
5.	SECOND DAY OF RESEARCH OPERATION	23/12/2013	01.30-9.00	01.30: TUG ARRIVES AT ASTAKIDA AND KEEP SEARCHING THE AREA WITH THE SONAR 05.00: TUG COMPLETES THE RESEARCH WITHOUT RESULTS, ALTHOUGH A BIG AREA AROUND THE SAID POSITION WAS INVESTIGATED 05.00-9.00: TUG SAILS BACK TO KARPATOS AND WAIT FOR PERMISSION TO DEPART TO SALAMINA ISLAND
6.	DEPARTURE FROM KARPATOS	23/12/2013	11.00	TUG SAILS FROM KARPATOS TO SALAMINA
7.	ARRIVAL ON OUR PREMISES	24/12/2013	12.30	AT 12.30 THE TUG ARRIVES ON OUR PREMISES WITH 3 MEN CREW AND 2 GEORGIAN PASSENGERS

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On Saturday 21/12/2013 at 7.30 the Research operation begins on the coordinates that the Customer gave us. After the dive that we made at this place, we reached the depth of 280 meters without any findings. Then, we also made two check dives to the coordinates that local fishermen gave us and also to the coordinates that the guardian of the protective area of Astakida Island gave us. Nothing was found on these dives and then we continued the research with the sonar, which is faster than the dives with the ROV and can cover bigger areas. At 21.00 the weather conditions on the research area deteriorated to a great extent and we had to stop the operation and return back to Karpathos, as due to the big waves and strong currents the sonar transducer was unable to give us accurate diagrams .On Sunday 22/12/2013, we remained in Karpathos and waited for a better weather forecast that came in the evening. At 21.30, we sailed from Diafani port of Karpathos to Astakida Island. On Monday 23/12/2013 at 01.30, we started again the operation on the research area, we searched all night long till 5 o'clock in the morning. As we searched an area of 5 square kilometers, we finished the research operation, in order to be into the time schedule of 5 days, as per Agreement.

The depth on the coordinates that you gave us was not 100 meters as was described in the beginning but during our diving it was found to be around 300 to 350 meters. We also found out that very strong currents appear on the area of the accident, which may have caused the ship drift for a big distance from the last seen place.

In addition to this, the coordinates that the distress transmission gave us, might have been fault or far away from the place that she eventually had sunk. Finally, we noticed that there is a big slope on the sea bottom of this area, where depths reach 1500 meters and thus we assume that the place that she sunk is different than the place that finally stopped rolling. Our crew and our operators used their best endeavors to accomplice the operation and give the desired result, but unfortunately this was not feasible due to the bad weather conditions and the confined days of operation.

Best Regards,

For Acceptance,

Papadas Alexander
 Oceanographer/Environmentalist