

2001 – 2010 Ice Survey of the North Eastern Caspian Sea
Client AGIP KCO, K. R. Croasdale and Associates Ltd.



ARCL was part of a team which was responsible for a series of field programs in the Caspian Sea in support of the development of the oil resources.

ARCL was directly responsible for the many aspects of the field program. These include the following:

- a) Design and construction of a test system to measure the crushing strength of level and consolidated ice
- b) Design and construction of a test system to measure the strength of the rubble in the keel
- c) Ice drift measurements in near real time
- d) A remote video system for observing the formation of Stamukha
- e) A remote weather station to measure various environmental parameters and transmit the data in real time to shore
- f) Performance of sea bottom survey using side scan sonar and remote operated vehicle
- g) Measurement of ice movements due to thermal expansion
- h) Support for thermal drilling of ice ridges and stamukha
- i) Development of HSE plans for performance of the work
- j) Overall logistic support including tool and consumables