Development of Deep Towed Three Component Magnetometer (DTCM)

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DTCM (Deep Towed Three Component Magnetometre) has been developed since 1987 when the three component magnetometer was designed to be equipped with TAM2 side scan sonar of Texas A&M University using combination of a ring laser gyro (RLG) and a flux-gate three component magnetometer (FGM).However there occurred problems in the TAM side, this program was cancelled. Then DTCM was newly designed not to be equipped with a side scan sonar but to be towed as a three component magnetometer. The new program of developing DTCM started in 1994 in which RLG and FGM was adapted as the main parts of DTCM as before with the acoustic communication and positioning device as an additional system.