Photogrammetry is a process almost as old as photography, having been used for decades to produce products for scientific purposes as well as for education and entertainment. Photogrammetric recording techniques are used for many purposes including topographic mapping, crime scene investigation, recording important historic and archaeological sites, and for creating three-dimensional computer models for movies.

There are many ways to do photogrammetry. In 2005, graduate students from the MA in Maritme Studies at East Carolina University had the opportunity to create photogrammetric models using a software application created by the company EOS called Photomodeler Pro.

Photoshotomodeler Pro is a Windows program that allows a user to extract measurements and create three-dimensional models from photographs. The user begins the process by importing photos from a calibrated camera. From these photos, the program essentially triangulates by measuring rays from the camera to points on the site, feature, or object. Images containing multiple views of the same points allow the program to calculate angles and therefore complete the necessary geometry to create a model of the photographed image. The software user references the photos to one another by making marks on the photographs which tag and trace specific identifying features of interest that appear on one or more photographs. In other words, Photomodeler Pro allows a user to extract coordinates by photographing an object with a standard camera.

Surfaces are created by defining the boundaries of lines; phototextures are subsequently merged with the model. From these 94 were selected for processing based upon an assessment of differences between perspectives (i.e. less than 90 degrees apart). A virtual representation of the object is created that be noticeable from at least three different photographs in order for Photomodeler to project its location in virtual space. There are many ways to do photogrammetry. In 2005, graduate students from the MA in Maritime Studies at East Carolina University had the opportunity to create photogrammetric models using a software application created by the company EOS called Photomodeler Pro.