COMPANY ANALYSIS

Deep Trekker Inc.

TECHNOLOGY ENTREPRENEURSHIP ENT600: CASE STUDY

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PROJECT TITLE	**UNDERWATER REMOTELY OPERATED VEHICLE (DTG3 ROV)**
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EXECUTIVE SUMMARY

Deep Trekker Inc. is one of the newly established companies which developed and manufacture underwater remotely operated vehicles equipment. One of the focused products is underwater DTG3 ROV. DTG3 ROV is a mini observation-class underwater ROV built to provide operators the ability to quickly deploy and visually inspect within underwater environments. Unlike the other underwater remotely operated vehicle (ROV) which produced by other companies or manufacturer, DTG3 ROV is integrated with other top notch survey component to deliver full satisfactory usage for the user. But, in ROV, the most important thing need to be put in priority is the quality of the data and one of the factor that can influence the data quality is the capability of the equipment. The current DTG3 ROV only integrated with attachable umbilical cable which only bring limited accuracy, less coverage site survey, poor resolution of the displayed data and moderate power supply for the vessels. As one of the newly formed company, they need to compete with the other big and famous company in term of demand from the client and think how to improve and upgrade the developed survey equipment. The without umbilical cable provides the capability which the current underwater ROV does not have. With this upgraded and improvement, the Deep Trekker Inc. can penetrate the market like other company. Also, the brand of the product can be introduced to the world more widen since it has the capability to produce excellent performance in equipment operation and result in data acquisition.

2.3 Product/Services

2.3.1 Product

Deep Trekker Inc. offers a variety of underwater remotely operated vehicles equipment. There are including underwater (ROV), CCTV Pipe Crawlers, Utility Crawlers and Submersible Cameras. For underwater ROV is the one of the Deep Trekker Inc.'s product that focusing to camera underwater where it has three (3) types of underwater ROV which are DTG3, Revolution ROV and Revolution NAV. DTG3 ROV is a mini observation-class underwater ROV built to provide operators the ability to quickly deploy and visually inspect within underwater environments. Next, the Revolution ROV is designed to be deployed within minutes, take the mission anywhere with a two cases system operated off quick swappable batteries. For Revolution NAV package gives the ability to monitor your ROV's trail as it moves through the water on a Google Map, while also allowing you to set waypoints and track data over time. The CCTV Pipe Crawlers has two (2) types of products which are DT340 and DT320 Mini. DT340 is built for municipal pipe inspections as small as 8" (203 mm) in diameter, that fully submersible with being battery operated removes the need for a CCTV truck, generator or onsite power supply. DT320 Mini Pipe Crawler is designed with portability in mind where it is allowing operators to conduct storm and wastewater inspections without the need for topside power. Utility Crawlers is divided to two (2) types which are DT640 MAG and DT640 VAC. The DT640 MAG provides a safe and efficient alternative to ship hull and steel structure inspections. It is onboard HD camera and live-video feed provides operators with instant visual inspections in hard to reach and often impossible to access environments. The DT640 VAC is built to be transported in one carrying case, that cam be immediately launched in any location. The perfect robotic system for remote inspections and light-work cleaning. For submersible camera that known as DTPod Underwater Camera where this product is portable, durable and easy to operate, designed to withstand lengthly installations and 360-degree inspections underwater. DTPod is simply plug in the controller topside and use the 360-degree pan and tilt camera to monitor fish health, feeding time or submerged infrastructure. The same splash proof controller allows access to an entire fleet of installed cameras without having to maneuver large, bulky equipment or risk having a laptop close to the water.