

#### 3<sup>RD</sup> ANNUAL PROGRESS ENERGY SENIOR DESIGN SYMPOSIUM

# OIL WELL MONITORING

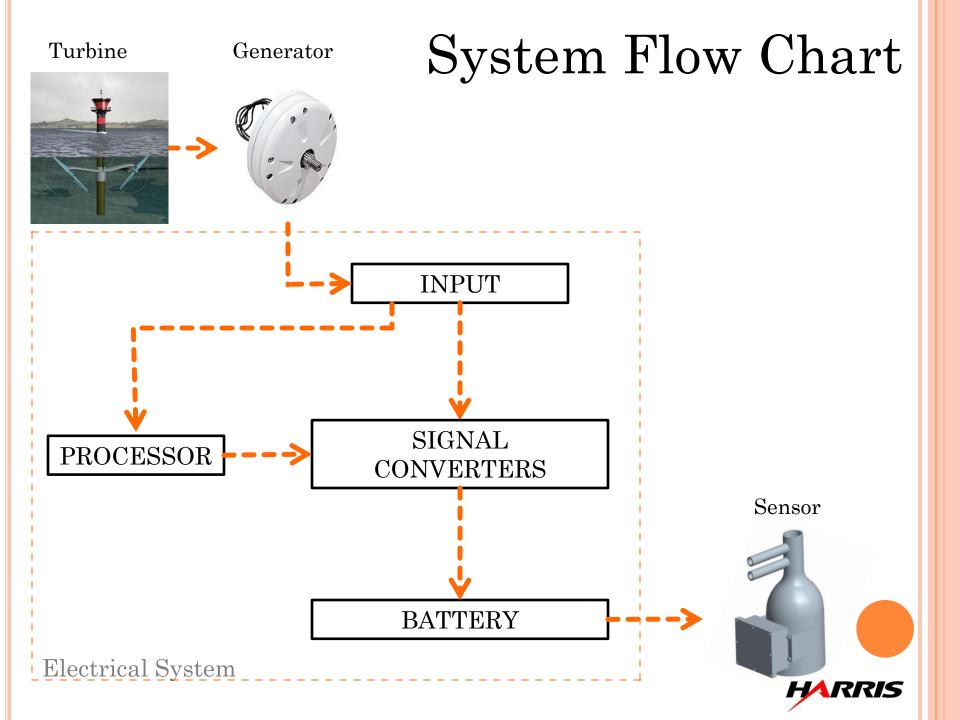
System

(E.E.C.S. TEAM)

#### **Presented By:-**

Louis Bengtson - Software Kaleb Stunkard - Input Jimit Shah - Output





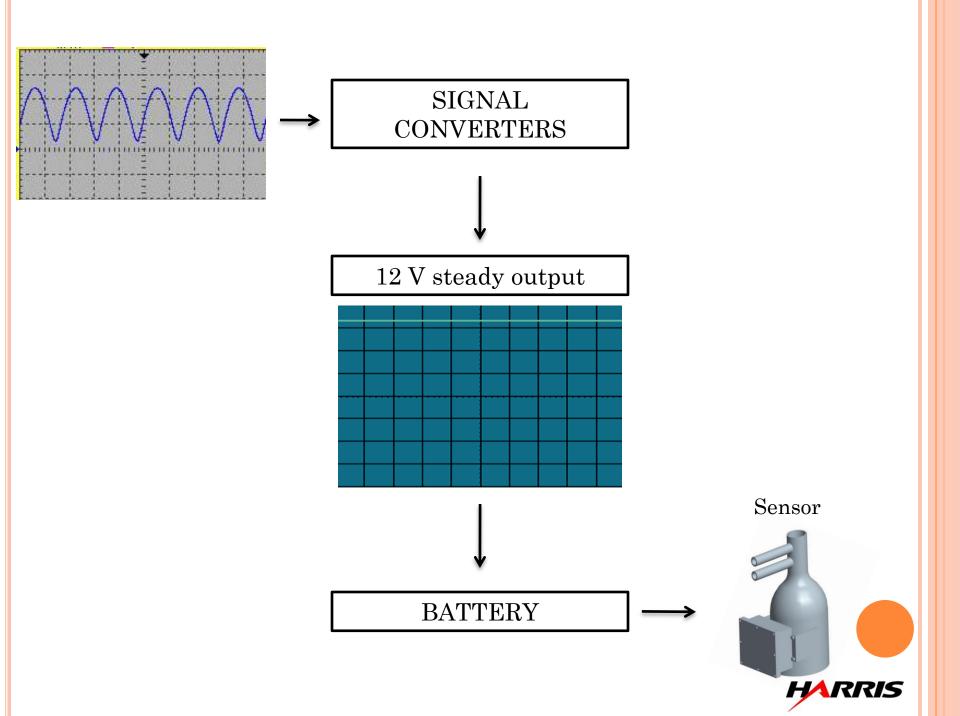
## Goals & Objectives

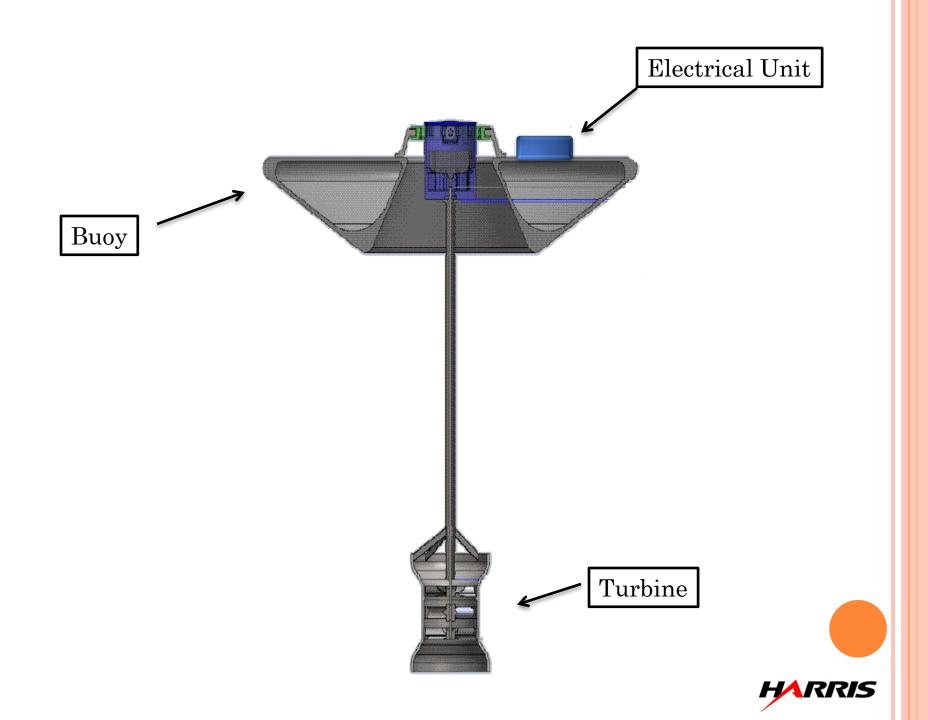
- Convert wave energy to electrical energy by means of a generator.
- Produce usable energy for the sensors.
- Must be enclosed in a waterproof container.
- Must be suitable for conditions that are present in the Gulf of Mexico.



# GENERATOR SIGNAL INPUT CIRCUIT RECTIFIED SIGNAL







### PRODUCT AND END RESULTS

- An electrical unit was built in order to power up the sensors.
- The product uses wide input and a constant output to the battery.
- It will be suitable in sea and surface conditions.
- The software used in this product will help make the system efficient.
- In the end, this product will be able to produce usable electrical energy.



#### THANK YOU

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**Progress Energy** 



