ESSAY **TOPIC "IF I COULD INVENT SOMETHING NEW" BY OYINKANSOLA LAWAL**

 So many things have been invented in the past

and that was through inspiration and knowledge,

though ,through the effects of gas flaring on our

planet,environment,plant and animal has inspired

me to invent ( a gas flaring extractor which could

really help in the development of the gas and electricity supply.

 Gas flaring,a common practice in oil and gas

industry,has long been associated with wasted

energy and environmental concerns.However,

innovative solutions are emerging to turn this

harmful practice into an opportunity for power

generation.Gas turbines,renowned for their

efficiency and flexibility ,are leading the charge

in utilizing gas flare as a free and sustainable

fuel source.

 Flare gas, is a"free fuel" to use,convert it

 into electricity and heat .This translates into

 significant cost saving giving 0.017Euro/kwh,

 making our operations more financially efficient.

 Although rare industrial accidents involving oil

 gas can result in destructive, dangerous and long-lasting fire

 are difficult to contain and control.

 Gas flaring allows operator to de-pressurize their equipment and manage unpredictable and large pressure variations by burning excess gas. This therefore contributes to climate change by emission of carbon dioxide, the main greenhouse gas. The flares associated with gas flaring give rise to atmospheric contaminants. These include oxides of Nitrogen, carbon and Sulpurs (NO2 , CO2 , CO, SO2), particulate matter, hydrocarbons and Ash, photochemical oxidant and hydrogen sulphide (H2 S).

 These contaminants acidify the soil, depleting soil nutrient. The effects of the changes in temperature on crops includes Stunted growth, Scotched plants and such other effects as withered young crops. Reference concluded that the soils of the study area are fast losing their fertility and capacity for sustainable agriculture, due to the acidification of the soils by various pollutants associated with gas flaring in the area. The implication of gas flaring on human health are all related to the exposure of those harzardous air pollutants emitted during incomplete combination of gas flare.

 These pollutants are associated with variety of adverse impacts including cancer, neurological, reproductive and developmental effects. Deformities in children, lung damage and skin problems have also been reported. Overcoming the barriers to flaring reduction is essential for improving energy access and increasing energy security.

 (The) gas extracted by the gas extractor could be put to good use and potentially displace other more polluting fuels such as coal and diesel, that generate higher emissions per energy unit. The gas extractor can be used to improve household cooking efficiency which can currently reduce the flaring of gas in the air. This would help in the cost of selling gases which can improve the economy system.

 Gas extractor can support the economy by improvising flared gas for important usage in the society that will improve the living condition of the people and solving of other economic issues.