Title: Artificial intelligence capabilities in the field of oil and gas and refining

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INTRODUCTION:
Utilizing Artificial Intelligence in oil and gas industry will lead this industries future to smart refineries which improve these industries productivity index.

AIM:
To present the advantages of using AI in various sections and departments of oil and gas industry.
To enable investors invest in AI as profitable solution to promote oil and gas industry's various fields' productivity.

MATERIALS AND METHODS:
By using machine learning methods, an intelligent platform has been designed to control the aggregate data gathered by the monitoring. Our technology provides an automated tracking and decision-making system which aims to not only reduce the facility damages caused by animals but also survive the animals exposed to the risk of excessive pollution or explosive situations by predicting the danger and the sending messages to the warning systems in order to make the animals far off. We have also find this technology profitable and helpful in various field of refinery management such as HSE, FIFI, PROCESS CONTROL, SECURITY, INVENTORY and etc.

RESULTS:
Significantly reduce amount of unplanned shutdown due to power outage cause by animal in refinery. More efficient management in field of HSE, FIFI, PROCESS CONTROL, SECURITY, INVENTORY and etc.

CONCLUSIONS:
According to the results of this plan, the choice of Artificial intelligence as a reliable and highly functional solution for promoting productivity index of organization could be the smartest selection for the problem that has always been one of the biggest concerns of managers and Investing in this field can be a win-win investment for both investors and industry owners.

KEYWORDS:
Artificial Intelligence, Refinery, Animal, Power outage, Image Processing, Machine Learning, Deep Learning, Machine Vision, Detection,

BIOGRAPHY:
Bachelor of Physics, Master of MBA, R&D Manager, Project Manager, Database Designer, communication Expert, Inventor, Researcher.