**Title of Article**: Remote Operations Implementation: A Tool for Improved HSE Management

**Author(s)**: Idachaba F.E.


**Abstract**: The current security challenges and hazards associated with oil and gas operations especially in the Nigerian Niger Delta calls for an innovative approach to managing the operations to reduce the exposure of staff to these hazards and risks without compromising the asset integrity and operations philosophy. Remote operation is defined as the remote monitoring and control of the field based production systems from an offsite location with the aim of optimizing the entire production process. It involves the continuous collation of operational data using smart instruments, the transmission of these data using a robust and secure communication link and the integration of these data to the company’s IT infrastructure comprised mainly of a data historian and production optimization tools. It provides the relevant personnel with information on the field performance and also provides an avenue for intervention while minimizing the exposure of the staff to the Health Safety and Environment (HSE) hazards associated with the fields. Remote operation has been shown to also reduce the Operational Expenses (OPEX) by reducing the number of field visits and the associated logistics and security costs and enhancing the field performance in terms of faster and more accurate interventions thereby enabling a better HSE.