

OCF AI SOLUTIONS HEALTHCARE



MEDICAL IMAGING

GENOMICS ANALYSIS

DRUG DISCOVERY

SMART HOSPITALS

Medical professionals worldwide are exploring the use of AI tools to help manage heavy reporting workloads and a growing demand for precision medicine. OCF can deliver end to end integration of AI solutions onto your existing IT infrastructure.

Medical Imaging - Scans from various modalities are automatically analysed using machine and deep learning algorithms for several different clinical findings, in a timely manner and full synergy with radiology workflow. The solution encompasses easy integration with existing PACS/RIS systems.

Genomics Analysis - DNA analysis is transforming the treatment of many diseases such as cancer, Alzheimer's, and monogenic diseases in infants by customising patients' treatment based on their genetic characteristics. Due to the promise of precision medicine which is based on such analysis, the number of genomes to be sequenced is expected to double year on year, and AI technologies are needed to accelerate the analysis process to make these analyses the standard of care.

Smart Hospitals - Healthcare providers are facing challenges to increase patient satisfaction, reduce costs, and improve staff productivity. In addition, many are trying to reach sustainability goals while simultaneously transforming customer care. OCF's IoT integration helps hospitals address many tough challenges such as Asset Tracking, Access Control, Infrastructure Management and Intelligent assistance with a single solution.

Drug Discovery - To predict outcomes related to drug discovery, the machine requires algorithms to process existing data and identify patterns and properties. AI/Machine Learning (ML) can be used in many stages of drug discovery. Validation of biological targets, discovery of drug candidate molecules and identification of biomarkers predictive of disease are some examples of areas where ML can be utilised.

