

DeepRadiology

DeepRadiology was founded in 2015 to apply artificial intelligence and blockchain techniques to radiology to improve quality and dramatically lower the cost of medical care.

Modern medical imaging/radiology has revolutionized healthcare and today plays a critical role in the diagnosis and management of nearly all significant medical conditions. Unfortunately, there is a growing shortage of qualified radiologist/physicians to provide interpretations of these studies due to increasing utilization and other factors. These interpretations also have a small but significant error rate that contributes to human error as being the third leading cause of death in healthcare after cardiovascular disease and cancer. Finally, the costs of these interpretations are high and ultimately limit the availability of these lifesaving tools to those in need.

2012 saw the beginning of a revolution in artificial intelligence, in particular using neural networks in a field known as deep learning. This technology allowed computer software for the first time to exceed human capabilities in complex visual recognition tasks.

DeepRadiology was established shortly thereafter to apply this groundbreaking technology to one of the ultimate complex visual recognition tasks, interpreting medical scans. We assembled a team of leading experts in radiology and computer science. Our team includes the inventor of the deep learning technology, Yann LeCun, who also works as Chief Artificial Intelligence Scientist for Facebook. Robert Rankin [former CEO Deutsche Bank Asia Pacific Region] also joined our team as Chairman and we raised millions of dollars in venture capital to make this dream a reality.

In November 2017 DeepRadiology released a groundbreaking report of the first artificial intelligence system to interpret computed tomography [CT] scans with performance levels greater than that of human radiologists. The system was developed and trained using over 9 million CT scan images of the head. It has the following advantages over human radiologists:

- **The time for a radiologist to interpret a CT scan of the head is approximately 3 to 4 minutes. Our software can do it in a fraction of a second.**
- **The error rate for our system is lower than the error rates for human radiologists.**
- **The cost for radiologist interpretation is approximately \$50 [U.S. rates]. Our cost is \$00.002.**

We are developing software to interpret other major medical CT scan types as well as for magnetic resonance imaging [MRI], plain x-rays, ultrasound, mammography and nuclear medicine. Our products are now beginning to be deployed to hospitals and other imaging facilities in the United States.

DeepRadiology is also now incorporating blockchain technology using smart contracts and utility tokens to allow further efficiencies in our service at scale with greater security and reliability. Savings will accrue as we disintermediate our processes and pass the savings on to our customers and other community members. We see direct benefits in four areas:

- **Elimination of excessive exchange fees and tariffs for payments in foreign currency.**
- **Elimination of accounting, billing, payment processing, and collection fees.**
- **Greater flexibility in rewards to incentivize our DeepRadiology community.**
- **Decentralization of GPU processing resources using our community for greater security and reliability and allow community members to share in revenue from our services.**

DeepRadiology combines two of the most transformative technologies of the 21st century, deep learning artificial intelligence and blockchain with smart contracts to allow lifesaving medical imaging technology to be delivered to many more who need it at lower cost worldwide We hope that you will join us on our journey to change the world!

Please see our whitepaper at www.deepradiology.com and email to be whitelisted at whitelist@deepradiology.com for our February 28 Token Presale.