



KILROY BLOCKCHAIN, LLC



RegTech Blockchain Trust Utility

KILROY BLOCKCHAIN

Kilroy Blockchain provides a Platform as a Service (PaaS) that provides an easy-to-use way to integrate 3rd party applications with enterprise-level blockchain and artificial intelligence (AI) solutions. As a middle tier, we offer integration with cognitive insights and cognitive media management, increased transactional speed, central configuration, and monitoring.

We believe that any application assisting the City of Austin in their initiative to become a Smart City should continuously learn and adapt to the growing demands of the population. It will need to be powered by a technology that enables flexibility and avoids vendor lock-in.

CARNAK

Kilroy Blockchain's Cognitive Roadway Knowbot, or "Carnak", is a predictive analysis simulator for traffic pattern behavior utilizing AI and machine learning (ML) for compiling roadway travel volume and repair data to assist the city to better manage their roadway maintenance program. Carnak is based on Apache's Unstructured Data Management applications architecture (UIMA).

Carnak is a cloud-based application that gathers normal and emergent traffic pattern behavior data from multiple city systems, using Artificial Intelligence and Machine Learning computing power to help analyze the traffic flow, accessibility, accidents, and road and asphalt maintenance.

Carnak then recommends route modifications, predicts and suggests road repair schedules and potential roadway plans for the future, allowing the City planners to do complex "what-if" analysis that would be impossible with spreadsheets.

CARNAK WILL HELP AUSTIN

- Avoid costly construction mistakes through predictive analysis of changing traffic and roadways on vehicles, public transportation, and pedestrians - i.e, traffic and human behavior patterns.
- Assist with integration of autonomous vehicles and robots into the traffic flow.
- Exchange structured and unstructured data from the myriad of devices used by the City. Carnak will insure the veracity, integrity, security, and auditability of the data by using IBM Blockchain.
- Become the central hub for many Smart City traffic initiatives by turning the City's data into actionable knowledge, which can also be marketed to pay for the initiatives it suggests. Carnak can even be trained to predict the worth of its own data.