

## Recent Seal Projects

### Stable Auto:

- Development and implementation of model for optimal location of DC fast charging stations to serve rideshare customers.
- Consultation on future data science product development.

### Electric Power Research Institute:

- Research on economics of low carbon technologies. Two published papers in peer reviewed journals, another two forthcoming.
- Mathematical optimization models developed of Canadian and Korean power systems.

### European Utility:

- Upgrading of legacy model code. Following upgrade, model that solved in 48 hours and took gigabytes in storage space now solves in 4 seconds using megabytes of storage space.
- Education of analytical staff on implicit model assumptions and appropriate use to support company decision making.

### Global IOT machine monitoring company:

- High level design of machine learning systems to automate the monitoring of remote sensing data.

### Space:

- Publication of paper on satellite image scheduling published in *Advances in Space Research* with NASA co-authors

### Agriculture:

- Research into automated dairy farm management systems.

### Software Development:

- Development of own software to streamline the deployment and maintenance of mathematical optimization models.