



Kairos

21st century economic dispatch

Kairos is a new economic dispatch solution that includes the latest technological developments

- It is hosted in the cloud providing large computational capacity while offering low adoption costs
- It can be easily integrated with other applications with a secure connection

It facilitates integration with client systems and reduces the long waiting times in case of heavy workloads

- Seamless integration with client systems leveraging API connections and JSON file data exchange
- Scalable solution that allows launching hundreds of processes simultaneously

It includes all features required to represent the economic dispatch of real-world power systems

- Model thermal, renewables, hydro and storage
- Setup temporal resolution from 5 minutes up to hours
- Represent temperature-based start-up costs
- Consider non-convex heat rates with 10+ oper. points
- Limit ramping rates and minimum online & offline times
- Represent demand response and power trade
- Consider the physical characteristics of AC flows
- Use advanced heuristics for maximum performance

The solution covers a wide range of needs such as trading and reliability assessments

- Market model to support utility in its intraday market bidding activities
- System dispatch simulation to help system operator quantify resource adequacy

Its delivery model reduces adoption costs and ensures the latest version is used

- Monthly subscription model reduces setup costs
- Cloud model accelerates feature delivery and updates

The adoption of encryption and robust authentication ensures the data is secure

- Our data is encrypted, uses secure communication and multifactor authentication

Pharoos is an independent advisory and technology firm that aims to support our clients addressing key problems of society leveraging the most innovative approaches and the latest technology

More at pharoos.com



Our key partners and certifications:

