



Q-Chem, Inc.

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Company Profile

Industry Sector: Computer-Aided Molecular Design

Company Overview: Q-Chem develops cutting-edge software packages for modeling chemical compounds, biopolymers, and energy materials that results in superb performance, less computer time and hardware resources and a large number of unique features that meet the “unmet needs” in the market.

Target Market(s): Academic research in physical, biological, and materials chemistry (university and government labs); Computer-aided design in the areas of chemical, pharmaceuticals, materials, energy R&D.



Key Value Drivers

Technology*: State-of-the-art quantum mechanics-based molecular modeling tools for chemical compounds, biopolymers, and energy materials.

Competitive Advantage:

- Open TeamWare Model: Synergy with academic partners on developing new simulation technologies
- Productive Code Infrastructure: Quick development of faster software codes for our customers

Plan & Strategy: Maintain attractiveness of the code as a platform for method developments for academic partners; Enhance utilities and capabilities to bring our technological advances to a larger market of industrial users.



Management

Leadership:

- Dr. Peter Gill, President
- Ms. Hilary Pople, Controller

Board of Directors:

- Dr. Peter Gill, Australian National University
- Dr. Anna Krylov, University of Southern California
- Dr. John Herbert, Ohio State University
- Ms. Hilary Pople

Scientific Advisor:

- Dr. Martin Head-Gordon, UC Berkeley



Product Pipeline

1. Q-Chem Software: Our flagship product, Q-Chem software package, is released regularly with one major and two minor updates each year.

2. Automation of Simulation Workflows: A future product targeting automation of routine simulation tasks and integration with complementary computational tools. A fully functional prototype is expected to ship in 2017.