

Market systems form a crucial cornerstone in energy marketplaces. When it comes to developing and effectively supporting these systems you need a trusted and established provider who is in this business for the long run.

PSC Market Systems services

- ▶ Vendor neutral, objective advice and support
- ▶ The full spectrum of product knowledge
- ▶ End to end solutions
- ▶ Practical, internationally informed people
- ▶ Commitment to support for the long term
- ▶ A collegial work ethic
- ▶ A trusted and proven reputation

(Our capabilities are listed in more detail overleaf)

PSC has a proven reputation for excellence as an independent, leading market system and applications service provider.

Our internationally experienced team has broad energy market systems skills and a wide knowledge base. We blend software and engineering reviews, testing, development, application and support to deliver solutions optimised to our client requirements.

FROM PLANNING TO SUPPORT

On any energy market system project, anywhere in the world, PSC can lead the early stages of project development, feasibility, costing, specification, engineering and design, software development, application, testing, commissioning through to operations and maintenance support and advice.

PSC is the complete full service provider of energy market system services, providing recent and relevant software and engineering knowledge and expertise, coupled with pragmatic, hands-on implementation.

VENDOR NEUTRAL EXPERIENCE AND SKILLS

PSC offers broad, vendor neutral, objective software and technical engineering expertise.

Our team brings practical, hands on international experience in supporting, enhancing and upgrading custom and commercial energy market systems.

We also offer expertise in key energy market system related fields, including control systems, telecommunications and IT networks.

AGILE APPROACH

PSC offers an extensive global network of locally-based, yet highly mobile consultants. On the ground, our people work side by side with our clients, tailoring their skills to support, enhance and upgrade our client's systems and applications to meet their particular requirements.



Specialist Consultants
to the Electricity Industry

**HELPING OUR CLIENTS
POWER THE WORLD**



OUR CAPABILITIES

PSC's Market Systems service offers clients the following capabilities:

Markets Systems Projects and Support

- ▶ Market Design – experience in market inception and evolutionary design
- ▶ Strategic planning, business requirements analysis and specification development
- ▶ Technology refresh, roadmaps and project management
- ▶ Support of applications and databases
- ▶ Support of custom Oracle, Java and Microsoft-based applications
- ▶ Market Clearing Engine (MCE) support covering all aspects of scheduling, pricing and dispatch
- ▶ Testing, review and auditing of market systems
- ▶ Training in electricity market systems concepts, practices and operation

Software Development and Process Improvements

- ▶ Development of applications for Wholesale Electricity Market systems

- ▶ Custom software development and enhancement
- ▶ MCE (SPD) applications – custom and commercial, co-optimisation
- ▶ Simulation, training and analysis tools, practices and operation
- ▶ Real Time and Stand Alone Dispatch (Backup Dispatch)
- ▶ Web applications including interfacing and graphics
- ▶ Systems Integration with EMS, SCADA and Market Systems

Specific Energy Applications

- ▶ Trading Systems (Wholesale Energy, Gas Trading Systems)
- ▶ Network Access Request Systems
- ▶ Outage Management Systems
- ▶ Transmission Auction Systems
- ▶ Billing and Settlement Systems

PROVEN REPUTATION

PSC has a global reputation for excellence. A cornerstone of this reputation is an unshakable commitment to excellent client outcomes and value driven client relationships.

The breadth and calibre of our people, coupled with the longevity of our relationships with many of our clients, has led to a portfolio of successful projects around the world.

PSC has delivered Market systems solutions in a range of markets and situations including:

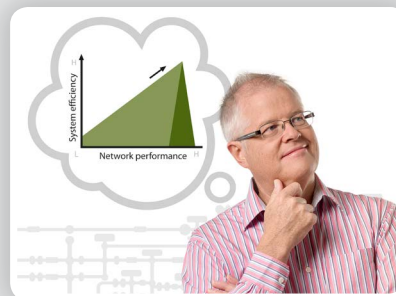
- ▶ Singapore – MCE support (market clearing engine)
- ▶ New Zealand – market systems support
- ▶ Australia (western) – market systems support and project delivery

(Ask us for information about these and other solutions, or visit our website)



OUTSTANDING PEOPLE

The PSC team is based in Asia Pacific, Europe and North America, or wherever our client's needs take them. They are on the ground specialists with a shared passion and commitment to helping PSC clients to power the world.



PSC NEW ZEALAND

PO Box 51098, Tawa
Wellington 5249
New Zealand
Phone: +64 4 232 7680
Fax: +64 4 232 7682

PSC AUSTRALIA

PO Box 2102,
Fortitude Valley, QLD 4006
Australia
Phone: +61 1300 933 632
Fax: +61 7 3252 8640

PSC NORTH AMERICA

PO Box 878,
Kirkland, WA 98083
United States of America
Phone: +1 425 822 8489
Fax: +1 425 822 3520

PSC ASIA

#16-01 The Amara
Corporate Tower
100 Tras Street
Singapore 079027
Phone: +65 9128 1830

PSC EUROPE

Suite 57, Pure Offices
Lakeview House, Wilton Drive
Warwick CV34 6RG
United Kingdom
Phone: +44 1926 675 851



Specialist Consultants
to the Electricity Industry

psconsulting.com