

For over a decade, Catalyst Commercial Services Ltd. has been providing comprehensive energy services to our clients. We are the leading specialists in water management and energy efficiency services, saving our clients valuable time and effort, and reducing their operation costs.

Catalyst's approach identifies consumption and cost reduction strategies. Our extensive knowledge of the energy industry enables us to offer a complete consultancy service including retrospective cost recovery, tariff analysis, water efficiency solutions, water procurement, and energy-saving strategy planning.



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What do we do?

Put simply, we serve each client by determining the energy optimisation and savings potential across their business organisation.

Our project management experts work to design a blended solutions package that's tailored to the needs of each business and/or business site. We then show our client how to achieve the biggest savings in the shortest amount of time with a cost-neutral solution. These same savings will later cover the capital cost of any energy-saving measures while still returning a financial saving to the business each month. This allows a client to take full and immediate advantage of all commercially viable energy efficiency measures in one go.

We make achieving maximum efficiency so much easier!

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As an independent energy consultancy and engineering business, Catalyst was established in 2001 to help organizations permanently reduce their energy and water expenditure and manage complex portfolios.

We work as Energy Partners with our clients to find the best solutions to:

- Source clean and on-site energy alternatives
- Measure and benchmark site processes and their carbon footprint
- Target specific areas for energy reduction
- Renew asset infrastructure by developing energy-efficient solutions
- Identify and meet legislative obligations
- Introduce monitoring

Catalyst can help you to assess your specific situation and develop opportunities for improvement. Our objective is three-fold: to help to reduce your energy costs, secure your energy supply and create a sustainable energy strategy. We use project data and experience gathered from across the world to achieve this goal.

Our programmes ensure consistent service delivery wherever we operate. All project phases are subject to Catalyst's strict quality assurance and control programmes.

Reducing energy costs and improving energy consumption: Catalyst is ready to turn this challenge into positive change for your business!

To meet the needs of our clients, Catalyst invests in the development of innovative energy solutions, and we are proud to say that our work has a technological edge rarely found in our industry. Contributing to our success is a range of sophisticated cost-management skills and systems supported by expert project management.

We complement our cost-effective energy solutions with alternative delivery approaches. Learn more about our efficiency programs below.

1| Energy Technologies & Power Generation ●

2| Process Heat Recovery

Energy Technologies & Power Generation

Catalyst is staffed with some of the best engineers and energy consultants in the industry, whose expert knowledge enables us to provide efficient and cost-effective solutions.

Often, our advice is to optimise systems that are operating below specification or are not fully utilised. In these cases, minor investment provides a greater degree of efficiency or superior resource management. Catalyst does not favour any specific technology; instead, we consider a wide range of possible energy solutions that reduce, manage or generate energy. Our objective is for technology to benefit your business at the outset and continue to do so throughout the life of your business operation.

The technologies in which we specialise include:

- HVAC & Controls
- Thermal Systems Optimisation
- Power Management (Voltage Optimisation & Power Factor Correction)
- VSDs
- Chiller & Refrigeration
- Energy Generation
- Renewable Technologies
- Heat Exchangers
- Metering & Monitoring
- Controls (BEMS)
- DSR
- Thermal Imaging

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Process Heat Recovery

Heat recovery is the collection and re-use of heat by-product typically resulting from industry processes or operations that would otherwise be lost or 'wasted'. Catalyst's innovative techniques employ the recovered energy effectively. We also optimise heating systems to achieve the most cost-effective operation possible.

We provide energy audits and technical consulting to identify and recover waste energy. If the audit results in recommendations for heat recovery equipment, Catalyst can provide the equipment and guarantee energy savings, ensuring your recovery potential is fully realised.

Catalyst would undertake a feasibility report to determine the viability of any energy efficiency scheme, focusing on three specific areas:

- *CAPTURING* the energy
- *DELIVERING* the energy back into the plant cost-effectively
- *EMPLOYING* the recovered energy effectively

Some of the systems about which we have expert energy recovery knowledge are:

- Ventilation System Extracts
- Boiler Flue Gases
- Boiler Blowdown
- Air Compressors
- Refrigeration Plant
- High Temperature Exhaust Gas Streams
- Hot Liquid Effluents
- Power Generation Plant
- Process Plant

Strategic Support

Perhaps the most important area of support for many clients is the access to experts and strategic thinkers that work together as Energy Partners. Often the barrier to a complete energy solution is the costs associated with the expertise required and the ability to interpret the highest return on investment. At Catalyst, we work with clients to provide the best possible outcome with guaranteed savings.

Our collaborative approach helps to cut through the perceived outcome of a given measure and provide sensible long-term solution with measurable results. Our fees are based on the potential Energy Savings, which is a “no savings, no fees” approach. Catalyst’s support model and technology-agnostic mindset promotes impartial, clear and solution-driven strategies for all our clients.

We work in partnership with our clients to develop efficiency solutions that support immediate and ongoing reductions in consumption through:

- Project Management
- Scoping
- Feasibility Reports
- RHI & FIT Applications
- Funding Solutions
- ECA & Tax Strategies
- Energy Audits & Policies
- Legislation & Compliance
- ISO 50001
- Installation
- Troubleshooting
- Tender Development
- Sub-Contract Energy Managers

Catalyst Leasing Solutions

Most capital asset acquisitions are for one or two purposes; equipment is acquired either to make money or to save money. By using a lease arrangement, no major upfront cost is needed. An initial payment allows the business to start using the equipment immediately and, potentially, to begin making or saving money.

This position provides a degree of protection against the effects of inflation; the customer's payments are fixed from the start of the agreement.



Lease benefits include:

- 100% tax deductible payments (applies to finance lease only)
- Fixed payments (for leases)
- An alternative funding source
- A pay-as-you-earn/ return on investment
- A hedge against inflation
- Access to the best available product
- Preservation of cash flow (Leasing allows a company to invest less capital up front so that it is free to respond to unforeseen circumstances and react to competitive pressures.)

Financial Incentives

Financial incentives are an important instrument for spurring investment in energy-efficient technologies and services; such incentives make it more acceptable for private and public entities to invest in energy efficiency projects by lowering inhibitive upfront costs.

Catalyst can help to shape financial incentives, including:

- Rebates
- Grants
- Loans
- Direct income tax deductions
- Exemptions or capital allowances on eligible products



Government incentives are often not well-publicised, and determining or proving an entity's eligibility is sometimes difficult. Catalyst is able to identify, apply, and manage funded and incentivised schemes to maximize energy initiatives.

Our options include:

- Managed
- Lease Options
- On/Off Balance Sheet
- RHI/FIT, ECS
- Salix, Grants, Private, Community & Local Funding
- Blended Funding Options

Energy Procurement

Catalyst has a team of Business Energy Experts to help you get a better deal on your energy contracts. This knowledgeable and dedicated group can also assist you to effectively control and manage energy costs.

Our long-established supplier relationships enable us to plan, deliver, manage and support sustainable energy schemes across the UK. Working at the forefront of the energy efficiency industry, Catalyst has delivered a range of innovative and cost-effective solutions to a great many commercial entities across all sectors.

Our contract options include:

- Fixed and Bespoke Strategy
- Portfolio
- Market Trigger
- Billing & Monitoring Services
- Business Gas Services
- Flexible Buying

Please visit our website for more information about these options.

Water Services

Catalyst's complete water consultancy service is founded in our extensive knowledge of the water industry and excellent understanding of efficient water usage. We deliver this service to our clients through a four-step process with aim to identify and address all opportunities to achieve optimal water management.

The market for water and wastewater is undergoing significant changes across the UK. Catalyst helps clients to prepare for increased choice and competition through:

- Revenue Recovery
- Tariff Optimisation
- Invoice Validation
- Water Efficiency
- Procurement of Water & Wastewater Provision
- Strategic Water Reduction Projects

In conjunction with our range of trusted partners, Catalyst can carry out a comprehensive examination and analysis of your water consumption and charges. Our Water Audit will ensure that your water supplier is charging you correctly and appropriately, and wherever possible, recover any incorrect charges levied. An audit might also highlight possible measures to reduce your water consumption in the future.

Please visit our website for more information about these services.

