



Your Coal, Gas,  
Solar and Nuclear  
Power Partner



Generating confidence  
to secure a brighter tomorrow



**Tyco Flow Control has an impressive track record in the power industry, providing an unrivalled portfolio of high quality valves, actuators and controls, heat management systems and fire-rated wiring to help power generators across five continents.**

As the world's premier supplier of flow management, water & environmental systems and heat management systems, we're committed to meeting the unique and specific demands of today's power customers.

#### **Generating Experience**

Wherever there's coal, natural gas, nuclear and solar power being generated worldwide, you'll find Tyco Flow Control's specialized power team at work, helping plant designers and operators optimize performance, reliability and above all safety.

Drawing on an outstanding portfolio of trusted brands, many of which have been used by generators for up to 100 years, we have extensive experience providing the power industry with critical system solutions for even the most challenging applications. Solutions that help improve productivity, advance efficiency, reduce emissions – and generate true peace of mind.


We're also suppliers to other alternative sources of power including biofuel and coal gasification projects – which makes us the perfect power partner.

#### **Generating Support**

By working closely with our customers, we've developed products that exceed the demanding standards set by the power industry, and satisfy the requirements of local markets. Equally importantly, we back this up with the highest levels of after sales support and service.

So wherever you generate electricity around the world, you can rely on Tyco Flow Control to help you increase output, advance efficiency and create a better world.





# Generating trust for safer power generation

**With worries about the shortage of oil reserves being matched by a growing concern for the increase in greenhouse gases worldwide, the demand for coal, gas and nuclear power generators to increase output while improving efficiency have never been greater.**

By 2030 demand for electric power is estimated to increase by an average of 2.5% annually, with world electric power generation set to reach nearly 32,000 terrawatt hours (TWh) almost double today's output.

All of this calls for high quality power industry products and solutions that have been developed in partnership with operators and contractors. With proven expertise and unrivalled industry knowledge, Tyco Flow Control is dedicated to helping you meet the challenges ahead.

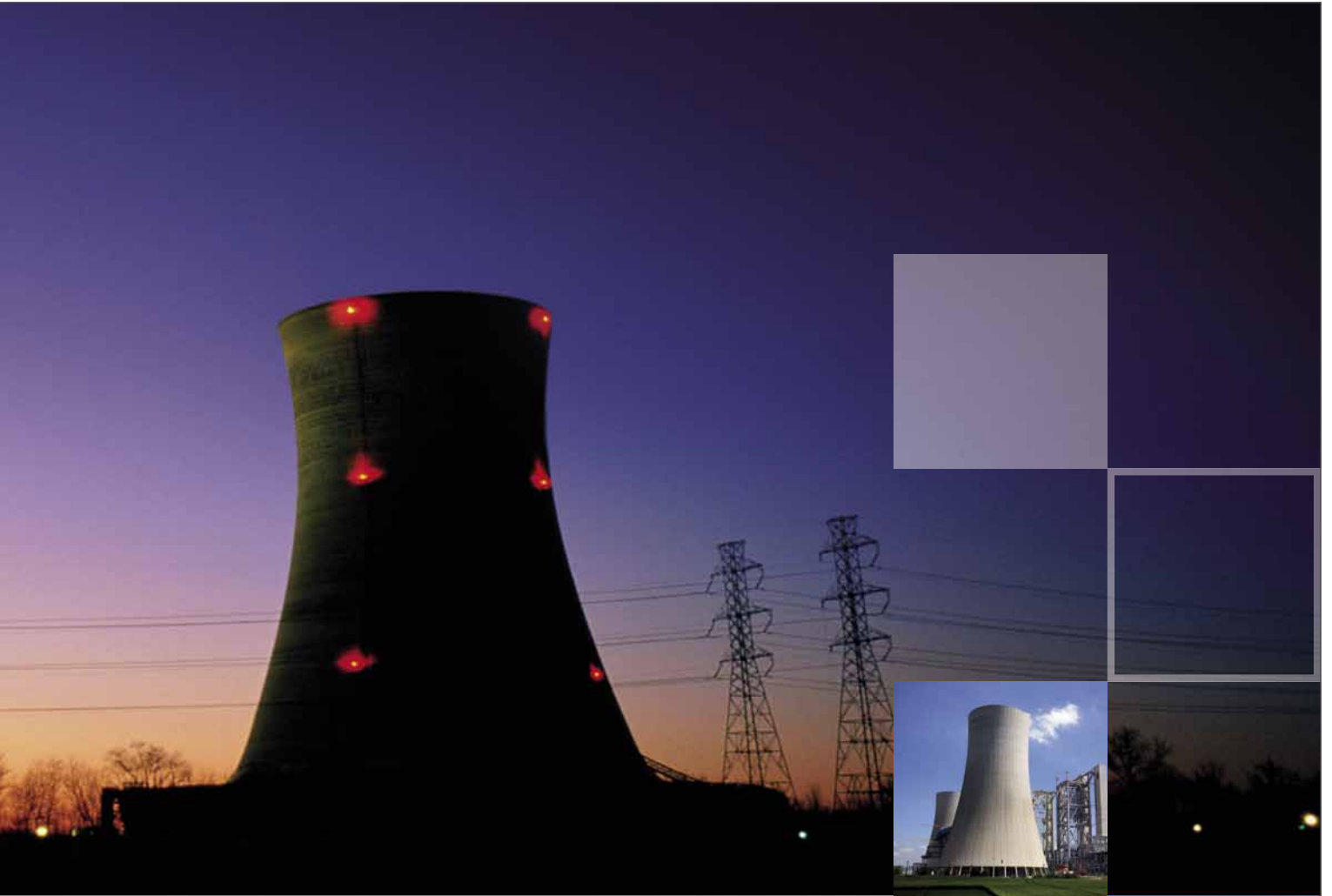
## **Coal-fired Power Generation**

Coal-fired plants in China are expected to open at the equivalent of two a week until 2012, with the proportion of world power produced from coal forecast to increase from 40 to 45% in the next 20 years.

We provide products that meet the needs of traditional coal powered technology, but we are also playing a key role in helping develop new types of supercritical and ultra-supercritical power stations. These operate at increasingly higher temperatures and pressures, resulting in higher efficiencies and significant CO<sub>2</sub> reductions.

## **Nuclear Power Generation**

To meet climate change and energy requirements over the next 20 years, it is estimated that the world could need more than 100 new nuclear power stations. Moreover, this escalation in nuclear energy will also undoubtedly bring with it extra responsibilities and new demands.



At Tyco Flow Control we're working closely with Nuclear Reactor Original Equipment Manufacturers (OEMs) and suppliers to develop solutions that will take safety and reliability forward – and meet the highly specialized needs, testing specifications and stringent quality standards required by current designs and future nuclear power stations.

**Gas-fired Power Generation**

Considered to be the fastest growing source of electricity production, natural gas-fired power generation is growing in popularity due to its higher energy conversion efficiency and reduced pollutants. As plants burn cleaner, carbon dioxide emissions become more manageable.

It's efficiency at its best – and Tyco Flow Control is ideally positioned to help you improve output and reliability with an exceptional range of high quality products and solutions, backed by expert service and support.

**Solar Power Generation**

Solar power is booming. Over 5,800 MW of solar power projects are in planning stages worldwide, with the majority expected to come online by 2012.

When power is being generated through the use of concentrated solar thermal (CST) methods, Tyco Flow Control is there with products and services to help enhance the process and maximize results.

**Tyco Flow Control – A Long Term Commitment**

Tyco Flow Control's commitment to the power industry is clear. You can be confident that the products and service we provide will help your process both today and for many years to come – wherever you are in the world.





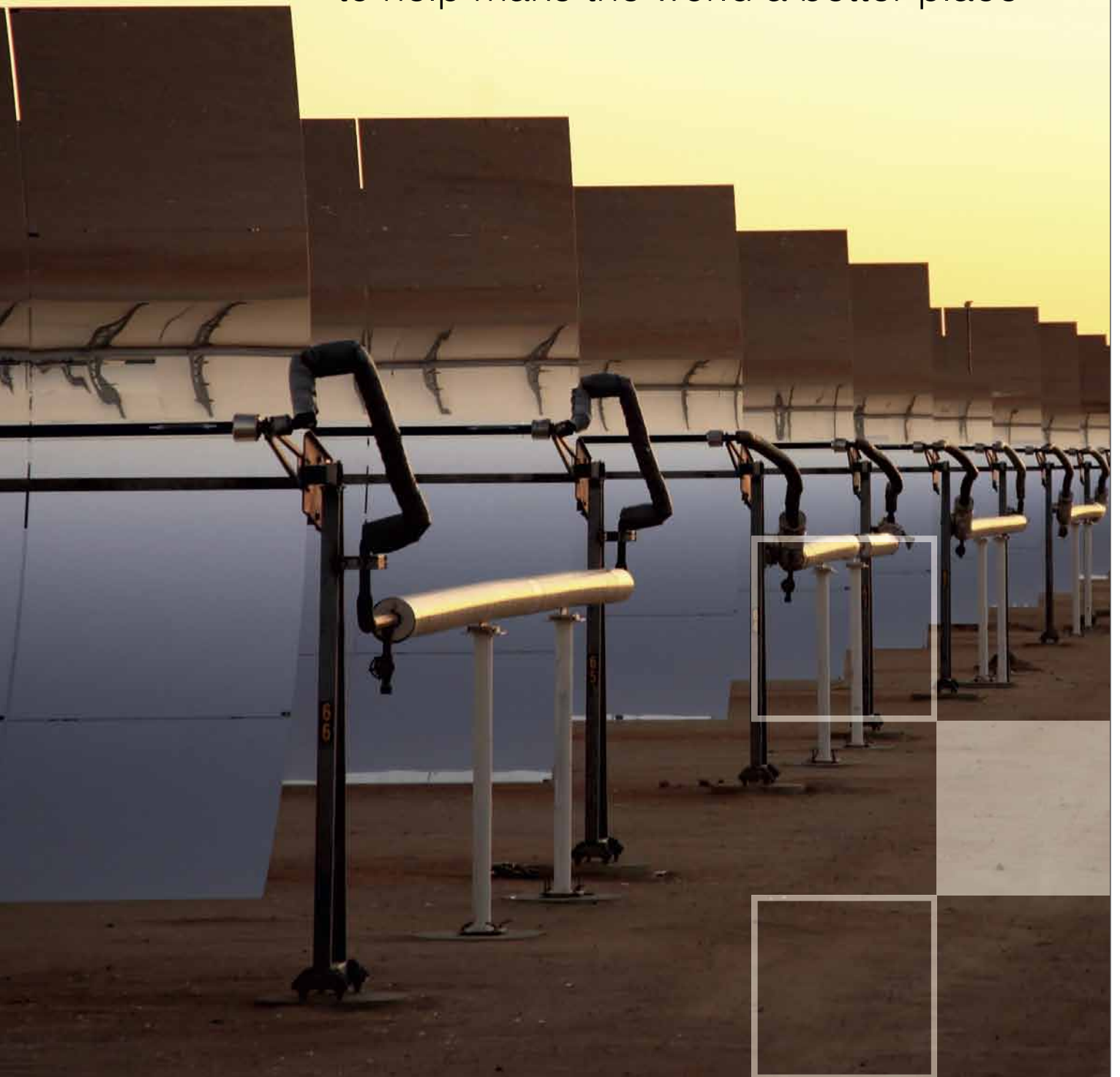
## Generating reassurance to offer total peace of mind

### Trust Tyco Flow Control to generate confidence across the power industry with:

- **Industry and product specialists** who understand your product applications and can recommend the product solutions to suit your needs.
- **Product development teams**, coupled with world class testing facilities, that help ensure Tyco Flow Control products will continue to be among the best available.
- **A global network**, backed by an unrivalled track record, supports power generation projects across 5 continents.
- **A commitment** to working with the industry to deliver more efficient and safer power generation.
- **A dedication** to helping the industry reduce carbon emissions.
- **Support teams** who will partner with power generation operators on new construction and routine maintenance to help ensure efficiency.



Generating partnerships  
to help make the world a better place





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