

## ISO 50001 Case Study

### Bank of Cyprus achieve improved energy performance with ISO 50001

Bank of Cyprus



Bank of Cyprus is the largest banking and financial services group in Cyprus, with significant market shares across all business segments. The Bank maintains a significant portfolio of buildings across Cyprus, including offices, branches and management of data centres at its Head office in Nicosia and at Geri.



*Bank of Cyprus Headquarters: Ayia Paraskevi in Nicosia*



Blackmores, working in close collaboration with Green Energy Efficiency Services were contracted by the Bank to provide consultancy services to implement and maintain certification to ISO50001:2011 for the two data centre locations.

The data centres had been identified as significant users of electrical energy for the Bank of Cyprus group.

The project commenced with a comprehensive gap analysis conducted against the ISO50001 Energy Management Systems standard. This included site visits to the data centre locations with a view to gathering consumption data, identifying relevant legislative requirements and discussion regarding potential energy saving opportunities.

This led to the creation of the energy management system documentation. This included a comprehensive energy review for the two locations with costed recommendations and energy saving improvement action plans. Energy performance indicators and baselines were established with a view to measuring energy consumption (kWh) and power usage efficiency (PUE) for each location

Following the introduction of the management system framework and supporting documentation, training was provided for key Bank staff to promote awareness and support activities aimed at promoting energy efficiency. This in conjunction with the introduction of a suggestion scheme enabled employees to bring forward energy saving ideas for future consideration.

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## Compliance and certification...

Once established, Blackmores consultants conducted comprehensive internal audits of the management system at both locations to confirm the effective implementation of the management system and provided support and guidance to close out any areas where improvement had been identified.

Finally, a management review was undertaken and a report produced confirming the financial and energy consumption savings achieved in the first improvement cycle.

Bank of Cyprus selected CYS as the accredited certification body to undertake third party certification of the management system and this was successfully completed in July 2016.

Once successful certification had been achieved, Blackmores and Green Energy Efficiency Services were retained by the Bank to undertake planned internal audits, review and update of energy reviews, evaluations of compliance with relevant legal requirements and management review through the 2017 period.



*Pictured L to R: Tamer Zaim (Green Efficiency Energy Services), Argyris Nicolaides (BoC); Koulla Hadjipanayi (BoC) and Paul Robinson (Blackmores) at the Banks headquarters in Nicosia following successful certification in 2016.*

## Continuing the focus on improved energy performance...

The effect of ISO50001 certification for the Bank has been considerable, significant energy savings have been achieved during and since certification.

At the end of the 2017 compliance period the bank had achieved a **20% saving in consumption** of energy against the 2015 baseline.

This equated to a **saving of 892,263 kWh** in electricity consumption across both data centre locations.

The Bank continues to pursue energy saving and has stretched its original target with a view to achieving a 22% saving against the 2015 baseline by end of 2018.

With continued focus and commitment from the Banks senior management and support where required from Blackmores and Green Energy Efficiency Services we are confident that the Bank will continue to manage and improve energy performance across its portfolio of properties for many years to come.