

Nestle Pakistan Ltd.

Avanceon's proprietary *iWater*TM solution reduces energy cost of utilities at Nestle Kabirwala factory by 33.2%.

About Nestle

Nestlé, headquartered in Vevey, Switzerland was founded in 1866 by Henri Nestlé and is today the world's biggest food and beverage company. A vast state-of-the-art operation that

Overview

Business Challenge

Cut down Water System Energy usage by 30% to achieve Corporate Sustainability and Cost Optimization Goals.

Solution

*Avanceon's proprietary solution **iWater**TM for the guaranteed energy savings on the water systems.*

produces many of most popular products, such as NESTLE MILKPAK UHT milk, NESTLE EVERYDAY, NESTLE NIDO.

At very heart of the Punjab, Pakistan, The Kabirwala factory commenced operations as part of Milkpak Ltd in 1992. At the time it was producing limited products, but by 2007 had expanded to

produce few other Nestlé's renowned products.

Challenge

The main challenge was to offer a solution that guaranteed energy savings with no financial risk to Nestle Kabirwala Factory.

This initiative besides furthering Nestle's commitment to environment and sustainability had to be designed to reduce operating cost by over 30% in order for Nestle to achieve its Cost optimization Goals.

Solution

The project kicked off by an Energy Partnership Agreement (EPA) between Nestle and Avanceon. Subsequently the Energy Management Solution (EMS) team at Avanceon developed a detailed project plan around its proprietary **iWater** solution and deployed it as a supervisory control based process optimization solution with the guaranteed payback of 36 months, intelligently controlling different water applications including Cooling water, Chilled water, Raw water, Ice Water & Boiler feed water systems.

Results

Nestle reduced its energy cost by over **33%** translating into accrued savings of **413,098 USD** in **36 months**.

About Avanceon's EMS

Under Avanceon's EMS (Energy Management System), all the detailed project engineering including complete plant / process energy audit, feasibility analysis, project design, Process hazard analysis (PHA) financing, implementation, commissioning of the complete project on turn-key basis and its successful handover to client is responsibility of Avanceon. Client pays us only for the savings achieved certified through an energy test report mutually signed by both the parties after the Energy Management Solution is up and running. All the technical, financial and process risks are borne by Avanceon in this regards.

Since 1984 Avanceon has helped customers with complex needs to improve operational efficiency and quality in both product and process. We use a structured, best practice approach to design, develop and deliver automation and information systems, ensuring a customer-supportable, long term solution. In addition, we collaborate closely with our customers to put their teams on a path to independence with our real-world training and 24x7 support services.

- *"We needed a highly reliable solution with guaranteed payback; Avanceon's iWater solution stands out as a leader in its class. It helped us in cutting the energy cost of our water system by 33.2%"*

Daniel Bracher
Factory Engineer