



# SAVINGS FOR SNACK FOOD PRODUCTION



## The Challenge

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A world leading snack food manufacturer needed a special temperature control solution to deliver better system efficiency while saving water and energy costs as part of the company's commitment to sustainability. The site's existing steam boiler system had to be cranked into action for each process, wasting production time as well as water.



Dave Palmer  
Sales Director

"There are cost-effective alternatives to using steam and TCUs often prove ideal."

## WE MAKE IT WORK

### The Solution

Following a detailed site survey, ICS Cool Energy's engineers established that the factory's existing steam boiler system was too large for the required amount of power needed.

With the site upgrade ICS Cool Energy provided a full turnkey solution and recommended changing from steam boilers to i-Temp ci 90t non pressurised water heaters. These heaters are capable of delivering highly effective water heating with maximum reliability for long-life productivity

#### Additional new system benefits:

- New TCUs can monitor temperature and flow rates as well as provide reliable recipe control
- High grade, non-ferrous quality components
- C8 advanced controller and stainless steel heat exchangers.



### The Result

Dave Palmer, Director of Industrial Heaters at ICS Cool Energy said;

"The concept of moving away from steam had never been considered before due to a concern that the power costs would be too high, however because our i-Temp ci 90t heaters only heat to meet the required demand, there are significant cost savings."

The new i-Temp ci 90t, which is a specially modified unit for this process, was manufactured in stainless steel, making it ideal for the hygiene-sensitive food area. In addition, we included the C8 Advanced Controller which shows trends and provides recipe control to guarantee repeatability of the products."

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