

# How less is more for Nestle

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# The future for Nestle

How can Nestle achieve more with less?

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# Solving tomorrow's challenges

The Food and Beverage industry is transforming rapidly. Demand is rising and consumers are expecting more as well. Yet energy costs are high and budgets tight. The race is on for generating more profitability but with less risk. And top of the list is being more sustainable while reducing waste.

## Global F&B in figures

~ 30%



global energy use

37%



global CO<sub>2</sub> emissions

**\$76 billion**

annual food  
production waste



## Nestle's priorities



**Energy efficiency** – Nestle has ambitious KPIs and wants to adopt solutions that help achieve them.



**Sustainability** – The intention is to reduce emissions by 50% by 2030 and achieve net zero by 2050.



**Growth** – Nestle is the biggest company in the largest sector on the planet. Demand is growing and consumer preferences changing fast.



**Purpose** – The company's aim is “unlocking the power of food” to enhance quality of life for everyone, both today and for generations to come.

2030

reduce emissions  
by 50%

2050

achieve net zero



# Achieving more with less

More per kilo, more per hour, more per amp

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iStock<sup>™</sup>  
Credit: bluecinema



## Why less can be more for Nestle

ABB end-to-end electrification solutions can help you meet your challenges and reach your goals. We can help you achieve more per kilo, more per hour, and more per amp – and all with less.



### Less energy

- Maximize efficiency – our broad portfolio of solutions lets you ensure power quality and stability.
- Audit and optimize energy consumption – thanks to ABB Ability Manager and metering solutions for 24/7 remote monitoring, auditing, and control.



### Less waste

- Maximize uptime – avoid unexpected failures and reduce waste and spoilage to improve profitability and promote sustainability.
- Make the connected factory a reality – leverage our end-to-end monitoring and control solutions to make your plants more efficient.



### Less risk

- Maintain availability – even as you meet increasing demands, ensure the security and longevity of your machinery.
- Protect people and assets – our strong safety portfolio and extensive expertise mean we can assure the safety of your staff and equipment.





## More for Nestle

- **Consultative partnership** – we offer a close partnership approach to help Nestle achieve its wider goals, and to support individual plant managers with their particular needs and aims.
- **The right combination** – Nestle has always favored a strong solutions-based integrated approach, and ABB has a long and successful record of working with the company.
- **Proven to succeed** – many Nestle plant managers choose at least some aspect of ABB technology, and we've been assisting with the company's connected factory initiative.





# — Less is more – the proof

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## Customer success story

### Mushroom farm, Arabian Gulf

- **Challenge:**

The chief challenge for our client is to grow quality mushrooms successfully in a desert climate with high ambient temperatures, fluctuating humidity, and a lack of raw materials traditionally used for cultivation.

- **Solution:**

One of the keys to overcoming these issues is ensuring consistent power supply to maintain optimum temperatures and humidity levels. Any fluctuation can prove extremely costly.

- **Outcome:**

ABB assessed the best solution, which was to install the PCS100 AVC-40 active voltage conditioner. In the first 12 months after installation, the factory experienced over 30 major voltage sags and swells. Yet thanks to the AVC-40, there was no interruption to the instruments, motors, controllers, or building automation systems.



“

Without the AVC, we would have experienced a lot of inconvenient and costly interruptions to our business.

**Client factory  
production manager**

# Customer success story

## Orkla Latvia, Baltic States

- **Challenge:**

Orkla Latvia is a leading regional food and beverage company. They were looking to modernize and automate their manual chips packing process. There was limited space within the factory and delivery times were tight.

- **Solution:**

ABB put together a team to deliver a safe, reliable, tailor-made solution. This was based on five IRB 360 Flexpicker robots working in parallel, which optimized the infeed speed to 65 chips packages per minute. Pluto B20, Sentry expansion relays, and an AC500 PLC system powered the conveyors, while further ABB technology delivered optimized reliability, safety, and control.

- **Outcome:**

Within a very tight timeframe, we delivered a cost-efficient modern solution to replace the previous labor-intensive manual production approach. We also guaranteed the highest levels of safety, and provided the flexibility to allow Orkla to make changes as required.



“

The tiring manual routine labor of 24 persons across three shifts has been replaced with advanced robotization equipment. The thoughtful and compact design solution was also implemented without production interruption.

**Edgars Balodis**, Project Manager,  
Orkla Latvia



# Powering the future – the two essentials

Any electrification solution has to deliver in two key areas above all: **quality** and continuity.

## 01

### Power quality

A process failure resulting from a power quality (PQ) event such as a voltage sag can have massive consequences on precision machinery. Industry analysts estimate just one hour's downtime can cost up to \$1million. But ABB PQ solutions offer protection from the most threatening events.

 \$100,000 - \$1million per hour downtime cost

#### Here's what ABB PQ solutions can offer Nestle:

- Maximum operational availability by protecting loads against network events
- Easy installation and maintenance, plus intuitive operation
- Fast ROI by mitigating equipment losses, prolonging equipment lifetime, and reducing maintenance costs
- Real sustainability, with optimized energy usage and fewer heat losses

## Powering the future – the two essentials

Any electrification solution has to deliver in two key areas above all: quality and **continuity**.

# 02

## Power continuity

Many food and beverage plants typically operate 24/7. This non-stop approach requires the very best in continuous power solutions. Fortunately, ABB solutions have been shown to deliver 30% fewer energy losses compared to similar solutions, together with many other benefits.



30% fewer energy losses

Here's what ABB continuous power solutions can offer Nestle:

- Continuous operation based on reliable double conversion UPS, with modules that can be added without downtime
- Self-optimizable projects, thanks to pre-designed, pre-tested, easy-to-commission solutions
- 97.6% high efficiency, thanks to three-level interleaved technology which reduces running costs without compromising reliability



WIP Placeholder

# Get more for less at Nestle

As a strategic supplier for Nestle, more and more plant managers are choosing ABB, not just for individual solutions, but for all their electrification requirements. For a better future from end to end, take the first step now.

Book a call ▼