Tetra Pak is excited to showcase our efforts in the Novel Food industry.

We would like to share our possibilities, innovative knowledge and experience in the food industry and especially on aseptic engineering.

We can support customers from pilot trials to full-scale production. In addition to the usual technological and regulatory hurdles, operational challenges are often underestimated, especially when scaling up, Tetra Pak is looking forward to present how we can contribute to these challenges, add value and how we can support at larger scale, like factory robustness, reliability and food safety.

From Lab to Table Scaling up Bioprocesses for New Food

Rafael Barros
Director Business Stream New Food



Tetra Pak®
PROTECTS WHAT'S GOOD



How can we feed the world while protecting the planet?



By 2050 we will need...

60% more food

...to feed nearly

10 Bi people



...without using more land

50%

of the world's vegetated land is used today



...while lowering emissions

67%

with innovative technologies



A new generation of hybrid products

Plant-based



Bovine milk derived



Fermentation -derived



Functional ingredients

(proteins, lipids, sweeteners, prebiotics, vitamins, colorants, flavors and others)

Next level food alternatives

Milk alternatives, fresh dairy alternatives, cheese analogues, meat analogues, vegan ice cream, functional & other convenience products.





World-changing opportunities

The potential benefits of New Food are immense and exciting

Claim market share and establish brand recognition in a growing segment.

Meet growing consumer demand for food products seen as contributing to a better world.

Contribute to the evolution of more sustainable and secure global food systems.



The challenges of the industry

An innovative market segment with hurdles to overcome



Limited capital investment



Scaling production to industrial output levels (profitability!)



Unforeseen obstacles and issues along the way (competences, timeline, regulatory etc)



Securing product quality, including specific functionalities and food safety





Innovating for new food sources

Co-develop together with our expertise and our eco-system



Speed up time to market



Reduce risks and total cost of ownership



Deliver top-quality, competitive food products



Food technology expertise applied to new food sources

Leveraging across different categories







Automation & Digital Solutions

One plant automation & Information Solution for your entire operation





Maximise line and plant efficiency without compromising product quality

- A full range of technologies within Tetra Pak portfolio to ensure food safety and quality
- Project implementation excellence from design to performance testing
- **24/7 global service support**, reducing operation downtime

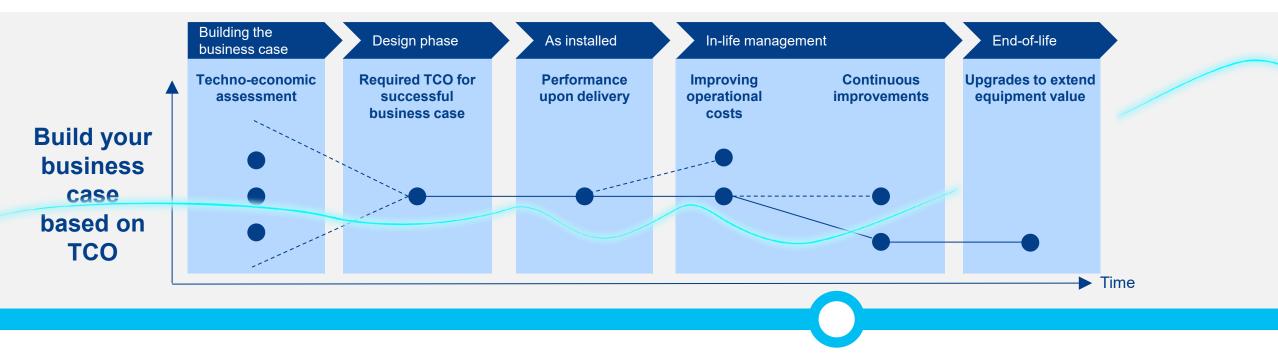
Factory Sustainable Solutions, i.e. heat, water and chemical recovery systems





We're with you every step of the way

Delivering value throughout entire life-cycle



- Early stage support with optimized design, pre-investment testing, and secure food safety and process robustness.
- Services agreement ensuring process reliability maximizing uptime and minimizing breakdowns and quality issues, enabling smart upgrades and training.





New Food Technology Development Centre

Building foundation for industrial scale food applications





New Food Technology Development Center Supports successful innovation and industrialisation

Create Customised Production Line

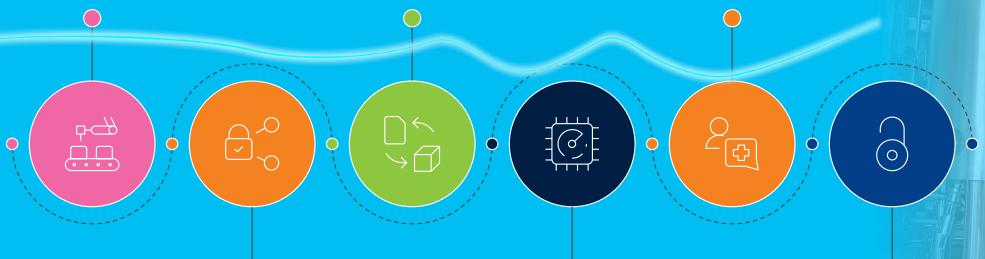
Designing a production line tailored to specific needs

Generate Samples

Producing initial product samples for testing

Receive Detailed Support

Providing comprehensive assistance throughout the process



Secure Best Process

Identifying the most efficient methods for production

Validate Processes

Ensuring the reliability and effectiveness of production processes

Access Facilities

Offering both in-person and virtual access to testing facilities



New Food Technology Development Centre

From fermented-derived ingredient to final product formulation

Product Development Centre in **Lund**



New Food Technology Development
Centre in Karlshamn







New ideas + New possibilities: New Foods

New Food Pilot Facility is an enabler for co-creation





What happens next?

Choose the right steps for where you are today

Industrial production



- ► Evaluation of technical and economic needs
- ► Early supplier involvement
- Volume and performance tests for industrialisation
- ► Firm quote

Product development



- Consumer trends and market information
- ▶ Product formulation
- Product development and testing
- Product prototypes for sales promos

Improve existing set-up



- Troubleshoot existing equipment
- ▶ Test alternative solutions
- Analyse upgrade and optimisation possibilities



What makes us different?

Reliable partner in your industrialization journey

Innovation Commitment

Dedication to advancing food technology



Industrial Experience

Over **70 years** of large-scale food production

Global Support

Unparalleled support network worldwide







Proven Track Record

Thousands of successful food products

Application Knowledge

Expertise in fermentation and USP and DSP design



End-to-End Solutions

Comprehensive project management from start to finish



New Food is an essential and rapidly growing industry – we're a reliable, effective and experienced partner for bringing products to this evolving market.



Let's make great food products, together!





Get in Touch with us

Vist us at our booth ...

Or Schedule a meeting for further discussions

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