

Packhouse Optimisation and Agro-Processing SUMMIT

Developing World-Class Packhouses

PROTEA HOTEL TECHNOPARK STELLENBOSCH

12th-13th
NOVEMBER
2024

PARTICIPATING COMPANIES



BOOK YOUR PLACE TODAY:
Ryan on +27 73 946 9796 or +27 87 700 5648

Organised by



Packhouse Optimisation and Agro-processing 2024 brings you the latest in Pack-house/Agro technology operations highly beneficial for stakeholders involved in agricultural production, post-harvest handling, and exportation of fresh produce. The Summit and Expo aim to pave the way to a platform that showcases the latest advancements, technologies, and best practices in packhouse operations.

This event amalgamates stakeholders from across the agricultural sector to discuss, demonstrate, and collaborate on improving efficiency, quality, and sustainability in packhouse operations.

Covering a wide range of topics relevant to improving efficiency, quality, and sustainability in packhouse operations this summit and expo brings you the latest in driving optimisation in your packhouse.

EVENT HIGHLIGHTS:

CASE STUDIES: Discover the latest technologies automating and transforming packhouses (hear from international and local experts).

Companies will share insight into the latest technologies, processes and practices which includes some of the largest automated Packhouses:

(SILAL UAE DUBAI) The largest automated packhouse in the UAE -Silal has inaugurated its automated packhouse in AI spanning 12,000 square metres. The facility represents a significant step in fresh produce packaging technology, underscoring Silal's commitment to quality, innovation, safety and sustainability.

GOSSAMER -Automated shuttle car optimizes packhouse flow. Many packhouses are looking to reduce the amount of forklifts operating on the floor and for that reason Somerset West-based Gossamer Packaging Machinery have designed an automated shuttle car for the circulation of empty and full pallets or bins without the use of pallet jacks or forklifts.

TOMRA Food -How AI can boost the food industry - TOMRA Food designs and manufactures sensor-based sorting machines & integrated post-harvest solutions for the food industry. The world's most advanced analytical technology for grading, sorting, and peeling. Learn what Artificial Intelligence (AI) is and why the post-harvest and food processing industry should care about it.

ERGOPAK -Discover how AI is transforming Packhouses.

NEWTECH Engineering -Newtechs optical sorting AI machine directly sorts cleaned potatoes by size, shape and quality in a single-stage process. This integrated procedure eliminates the need for pre-grading and minimising the need for manual labour while ensuring consistent quality and high throughput.

Packhouse Optimisation Summit and Expo 2024" serves as a platform for sharing knowledge, fostering innovation, and driving sustainable growth in the packhouse and agro-processing sectors. This duo event will ensure participants stay abreast of the latest advancements and best practices, ultimately contributing to enhanced efficiency, quality, and sustainability in agricultural production and supply chains. Over the past decade, the Packhouse and Agro-processing sectors have indeed undergone significant growth and transformation to meet evolving market demands and external challenges. We have seen a transformative period underpinned by technological innovation, improved standards, sustainability initiatives, and expanded market reach. These advancements not only contribute to the economic growth of regions involved but also play a critical role in ensuring food security and quality for global markets

Businesses, this is a time of change. Global demand is climbing. Production is increasing. New growing regions are gaining market strength. And consumers' quality expectations are rising. All these changes mean that growers and packhouses must now be more productive and efficient than ever before. Remaining stagnant in an evolving industry means missing the opportunity to grow. As packhouses waste time sourcing labour, battling with old equipment, and placing staff on labour-intensive processes, their export earnings potential continues to dwindle.

- Renowned Experts in the field covering the latest strategies in creating SMART Packhouses
- Good practice in the Design, Management and Operation of a fresh produce Packhouse
- Practical Ways Packhouses Can Speed Up the Fresh Produce Packaging Process
- Reducing Food Safety in Packhouses – Examining Risk Models Policy and Procedures
- Packhouse and the Cold Chain-Cooling Industry
- Solar PV in Packhouses
- Water Monitoring- How South African Pack-houses are Beating Wastewater Challenges
- Transforming Packhouse with remarkable technology: (Packhouse 4.0) digital transformation of the Packhouse
- There has been a notable shift towards automation and advanced technologies within packhouses.
- Robotics and AI-driven systems are increasingly used for sorting, grading, and packaging, enhancing efficiency and consistency in operations.
- Why digital transformation matters to Food Processors and Packhouse
- Solution Software for Packhouse
- Security in Packhouse -Audit and Recordkeeping requirements
- Innovation in the Packhouse Industry and How to develop Full Proof Packhouses
- A Pack-House perspective on Postharvest Challenges
- How Citrus Packhouses can improve profitability with the Latest Sorting and Grading Solutions
- Packhouse Solutions and Sustainability

EXPO HIGHLIGHTS:

Bringing The Future Of Packhouses: A power-packed showcase of latest trends, technologies, machinery, equipment, and services.

As technology continues to advance at an ever-rapid pace, new trends are emerging and ground-breaking innovations are being seen across the fruit and food industry. Come and be part of this expo that will put the spotlight on your business!

- Exhibitor Stands: Companies showcasing cutting-edge technologies, equipment, and services related to packhouse operations.
- Live Demonstrations: Hands-on sessions demonstrating the functionality and benefits of new technologies and equipment.
- Product Showcases: Displays of innovative packaging solutions, quality control systems, and sustainable practices.

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AGENDA DAY ONE 12TH NOVEMBER 2024

WHY DIGITAL TRANSFORMATION MATTERS TO FOOD PROCESSORS AND PACKHOUSES

09:00-09:00 **Opening remarks**

09:00-09:45 **Industry 4.0: Making The Argument For Automated Machinery In The Packhouse
The Packhouse of Tomorrow Today**

- Big Data is a Big Deal
- Reliable Solutions during Uncertainty
- Cost Effectiveness and Efficiency is Key
- Scaling up to the task at Hand
- Health and Safety a no 1 Priority
- AUTOMATION IS A MATTER OF WHEN, NOT IF

09:45-10:30 **Keeping Turnkey Options Fresh for Packhouses**

- Exploring End-to-end solutions for fresh produce across the full flexible packaging spectrum, from flow packs, shrinkwrap and tray sealing to modified atmosphere bags, doy packs and pouches

Speaker: Mr Francois Cronje: *MD Trempak*



10:30 - 1045

MID- MORNING BREAK/NETWORKING WITH EXHIBITORS

10:45 -11:30 **Packhouse Management and Agro-processing**

Speaker: Ms Jacomien De Klerk: *GM Cirus Academy*



11:30-12:15 **Fruit Packing solutions made possible by Gossamer**

- Exploring the latest technologies enhancing your packhouse operations
- Unprecedented Precision
- Enhanced Sustainability
- Increased Efficiency

Speaker: Mr Norman Nieder Hietmann: *Gossamer Packaging*



12:15-13:00

LUNCH BREAK

13:00-14:00 **VIRTUAL SESSION: How AI and IOT are transforming the future of Packhouse**

- Silal -Shares their success story of being one of the largest establishment of automated packhouse in the UAE
- The State-Of-the-Art Packhouse promises to streamline the packing process, ensuring that every product is handled in the most optimal manner
- This session explores the latest technologies and automation practices creating world class packhouses

Speaker: Mr Torben Eskeland: *COO Silal UAE*



14:00-14:20 **Artificial Intelligence Integration into Packhouses
Turning challenges into solutions in the Evolving Landscape of Fruit Packing**

- Turning challenges into solutions in the Evolving Landscape of Fruit Packing
- Smart scale technology creating efficiency within a Packhouse
- Accuracy through web reporting

Speaker: Mr Nico Treurnicht: *Founder Ergopak*



14:20-14:45 **Putting the smarts in Smartscales, how Machine Learning will ensure the persistence of hand packing**

Speaker: Mr Cornel Oosthuizen: *Head of Electronic and Engineering Ergopak*



14:45-15:00

BREAK

15:00-15:45 **RE-powering SA packhouses with Solar PV**

- Solar PV - the South African context
- Why Solar PV on packhouses?
- Case Studies

Speaker: Mr Clemens Brandt MD Red Engineering



END OF DAY ONE

AGENDA DAY TWO 13TH NOVEMBER 2024

HOW PACKHOUSES CAN MEET CURRENT AND FUTURE CHALLENGES

09:00-09:45 Cold chain disruption from Port to Packhouse and how to maintain cold chain integrity throughout the process with the identifying temperature breaks

- The objective of this presentation is to identify the problem areas that are responsible for breaks in the South African fruit export cold chain
- The focus is specifically on fruit exported in refrigerated containers, as it moves from the pack house through the cold storage and transport segments towards the port of export.

Speaker: Professor Malcolm Dodd: *Principal Cold Cubed Cold Chain*



09:45-10:30 Packhouse Action Group (PAG) Water and Electricity benchmarking project: An industry initiative for pome fruit packhouses to identify and help manage risks

A look at the key results and findings related to the project includes:

- Water use intensity for packing line, cold storage and staff facilities
- Electricity use intensity for packing operations, CA operations and RA operations
- Electricity cost
- Key learnings and wins from the project

Speaker: Ms Dianca Yssel: *Commercial Lead -Blue North Sustainability*



10:30-10:45

BREAK

10:45-11:30 PV Systems and Packhouse Integration

The importance of the agri-processing sector for economic growth and sustainable development.

- The food value chain as a major focus for greenhouse gas (GHG) emission reductions and resource efficiency
 - Solar Energy Opportunities:
 - Solar Photovoltaics (PV) for packhouses and solar thermal systems for processing heat
 - Value created in Solar PV in South Africa:
- Demonstration the practical benefits of solar energy installations.
- Financial Feasibility:

Speaker: Mr Sisa Xolo: *Business Analyst-Green Cape*



11:30-12:15 A tool for reducing and guiding Packhouses to reduce Carbon Emissions

- The SIZA Digital Recordkeeping Programme provides the needed information for a baseline assessment such as energy consumption, carbon emissions, water use, and waste management data.
- The SIZA Digital Recordkeeping Programme also enhances supply chain visibility and traceability and has a partnership with Confronting Climate Change, meaning that all carbon emission calculations are covered as well.

Speaker: Mr Victor Mouton: *Agricultural Economist -Siza*



12:15-13:00 Innovative Postharvest Technologies for Packhouse to sustain Quality Produce

- The availability of affordable post-harvest technology is of the utmost importance to meet consistently high productivity, and to make available high-quality fresh produce in markets.
- Affordable low-cost innovative post-harvest technologies have been developed and are ready for implementation as intermediate technology to solve produce losses and ease food security challenges the continent is facing

Speaker: Professor Tilahun Workneh: *Head of Agric & Food Engineering -University of Kwa-Zulu Natal*



13:00-14:00

LUNCH BREAK

14:00-14:45 Citrus packhouse finds golden mean between human and machine

- How automation is driving optimisation
- Balance between people and machines

Speaker: Mr Maruis Du Preez: *Managing Director -Packline Solutions*



14:45 -15:00

BREAK

15:00-15:30 Newtech Automating New Trends in Packaging (The case study of Potato Packaging)

- Making better use of the raw material
- Benefits of optical sorting
- How can Artificial intelligence AI help with optical sorting?
- Increasing sustainability by reducing food waste

Speaker: Mr Rasmus Anderson: *Head of Software Newtech Engineering*



15:30-16:30 Networking with exhibitors (an opportunity for brand showcasing and technology demonstration and Afternoon Drinks

END OF CONFERENCE

EVENT SPONSORSHIP/EXHIBITION PACKAGES

❖ Platinum Sponsor – R60 000-00

As a Platinum sponsor, your company will enjoy the following benefits:

- One (1) speaking opportunity as a panelist
- Company logo on all marketing materials, including website, banners, program agenda
- Exhibition stand. (3X3)
- Eight (8) complimentary conference passes for company representatives
- Company name/ logo on conference website linking directly to company's website
- Company name/ logo on electronic marketing mailer to attendees

❖ Gold sponsor – R40 000-00

As a Gold sponsor, your company will enjoy the following benefits

- One (1) speaking opportunity as a panelist
- Company logo on all marketing materials, including website, banners, program agenda
- Exhibition stand. (3x3)
- Six (6) complimentary conference passes for company representatives
- Company name/ logo on conference website linking directly to company's website
- Company name/ logo on post-event electronic marketing mailer to attendees.

❖ Silver Sponsor – R35 000-00

As a silver sponsor, your company will enjoy the following benefits

- Company logo on all marketing materials, including website, banners, program agenda
- Exhibition stand. (3x3)
- Four (4) complimentary conference passes for company representatives
- Company name/logo on conference website linking directly to company's website
- Company name/ logo on electronic marketing mailer to attendees

❖ Bronze Sponsor (unlimited) –R20 000-00

As a Bronze sponsor, your company will enjoy the following benefits:

- Company logo on all marketing materials, including website, banners, program agenda
- Exhibition stand. (3x3)
- Two(2) complimentary conference passes for company representatives
- name/ logo on conference website linking directly to company's website
- Company name/logo on electronic marketing mailer to attendees

❖ Exhibitor – R10 500-00 (Excl. VAT)

As an Exhibitor, your company will enjoy the following benefits:

- Exhibition Stand
- One (1) Complimentary passes
- Placement of company name/ logo and corporate description in the conference program

❖ Cocktail Sponsor (exclusive) –R40 000-00

As a delegate sponsor, your firm will enjoy the following benefits

- Four (4) complimentary conference passes for company representatives
- Exclusive company name/ logo on the delegate bag
- Company name/ logo on all conference material
- Sponsor to provide the bags for distribution based on conference's specification



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SPONSORSHIP/EXHIBITION REGISTRATION FORM

Should you wish to confirm sponsorship/exhibition, return this form to: Ryan@empiretraining.co.za

Contact Person

(All correspondence will be forwarded to this person):

First Name: _____

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Regards,

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