

## PLM/CM/SE at Tetra Pak

A few experiences





#### A few experiences from PLM, CM, SE

- ► Tetra Pak is not just a product supplier, but a supplier of integrated systems, including production lines and plant automation
- ► CM relies on product architecture
  - The stronger the architecture, the less time CM needs to talk to stakeholders and estimate change impact
- Model-based systems engineering
  - While BOM lists focus on product structure, SysML can define both structural, behavioural and temporal dependencies. This gives very strong impact analysis.
  - Control variants through Product line engineering.
  - By defining variation points (VP) and rules already in architecture, product variants can be understood already during product planning and pre-sales. With a PLM suite, it also enforces the BOM structure, allowing only valid configurations.

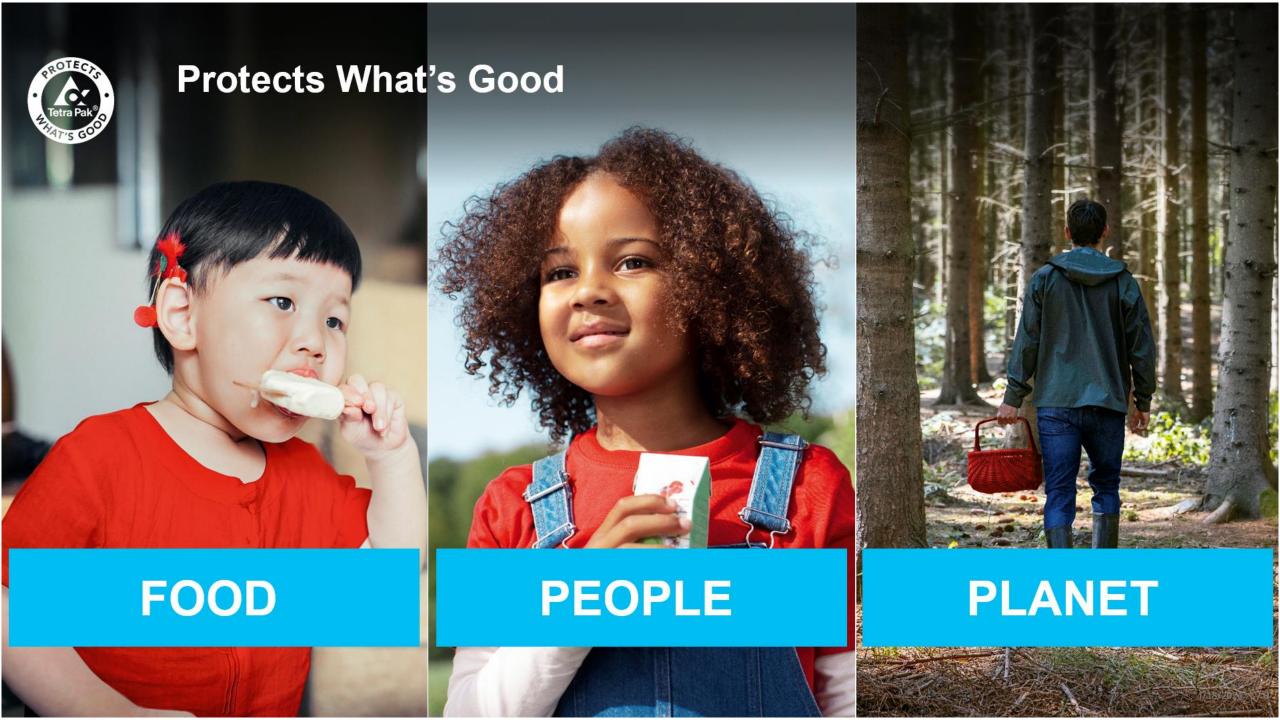


#### A tip

- ➤ Software Center is a collaboration between industrial companies and academia. Participating companies can run projects supported by applied research.
  - Software Center (software-center.se)
  - Research themes Software Center (software-center.se)

#### **General info about Tetra Pak**







# More than 100 years of customer service

1878 The continuous milk separator developed by Gustaf de Laval

1952 | The first Tetra Pak machine delivered in Lund, Sweden

1961 Sidel manufactures its first blow-molding machines for plastic bottles



#### **Tetra Pak**

#### Food processing and packaging systems



#### **Tetra Pak**

#### We commit to making food safe and available everywhere

President and CEO: **Adolfo Orive** 

Employees: 24,391

Million € 12,755 Net sales:

Packages sold: 190 billion / year

**Packaging machines:** >8,700

**Processing machines:** >81,000

**Production plants:** 51



# Fields of operation

#### Tetra Pak in more than 160 countries





## Processing.

Solutions and equipment for dairy, plant-based, cheese, powder, ice cream, beverages and prepared food





#### Services.

Helps you improve your performance, optimise costs and ensure food safety throughout the lifecycle of your operations

## Packaging.

A complete carton packaging range for consuming food products offering convenience, easy opening, optimal shelf life and the ability to give maximum brand exposure

