

FRONTMATEC

GOSystems - Yield control





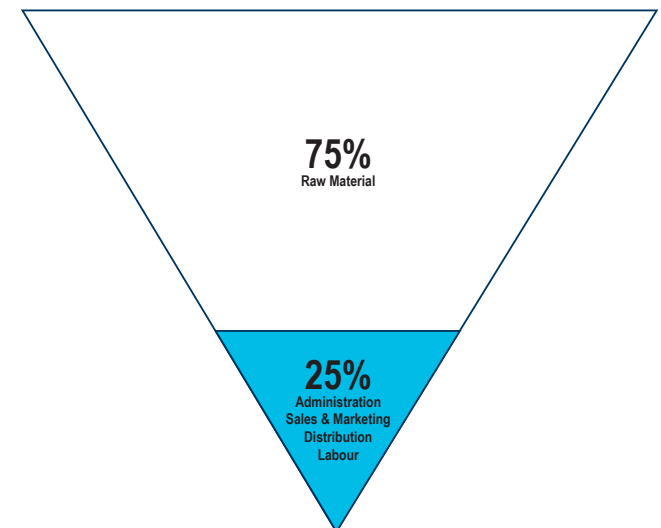
Taking the guessing out of processing

Yield has a significant, direct impact on the bottom line. Since 70-75% of the cost of the final product stems from the raw material, it is vital to closely control the actual yield against the expected.

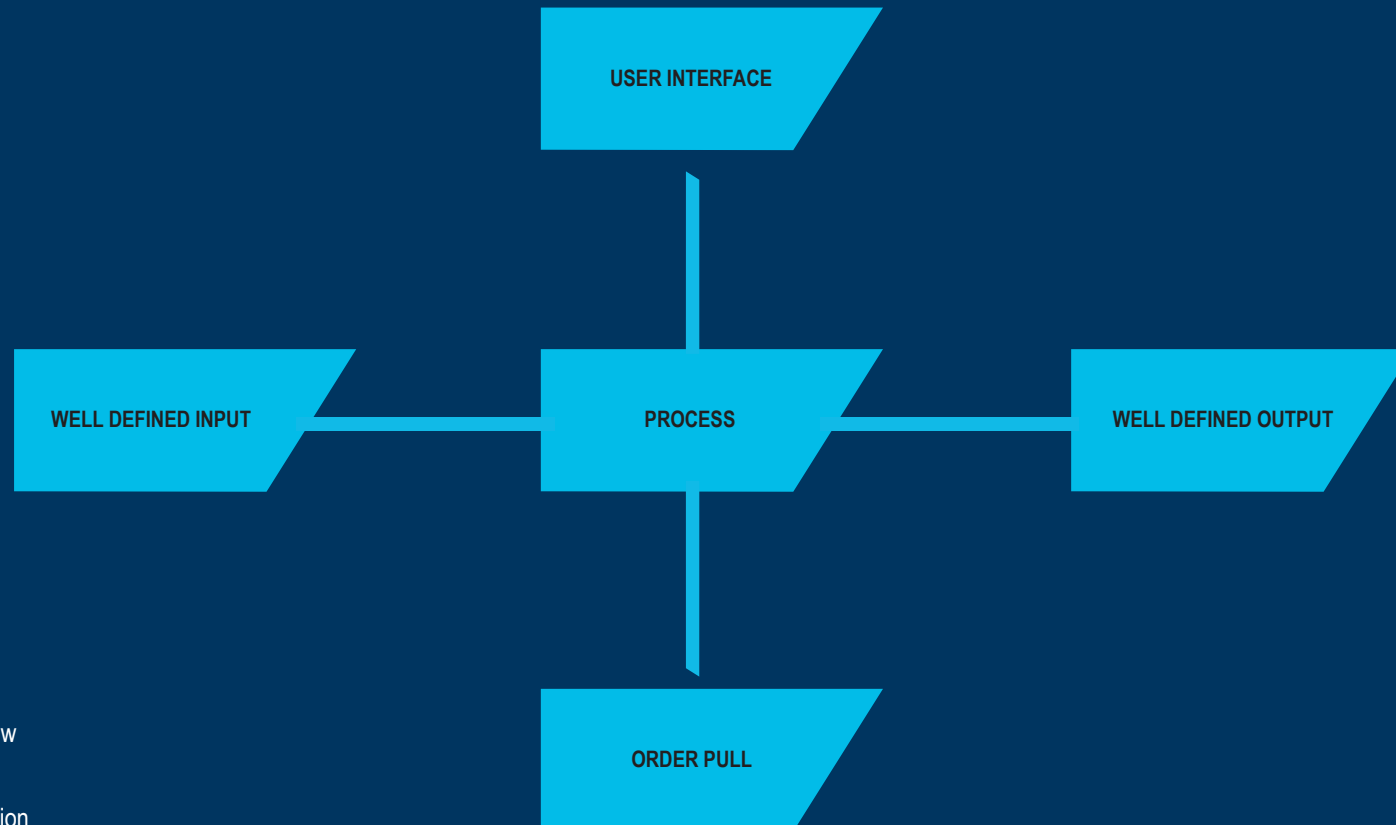
Even very small deviations in percentages between the actual and the expected yield can have a substantial financial impact on the profitability of the business because of the ever increasing tonnages being processed.

Monitoring and controlling profitability

- Profit margins are under pressure
- Small mistakes triggers red figures
- Implementing IT for process control and automation is an necessity



Logical process areas determines how the yield system works



- Configurable production flow
- Paths between processes
- Yield points for data collection
- Well defined ins and outs
- Measures product paths
- Built-in reports
- Scalable processes
- Supports a wide range of scales and devices

LPA 1.1 Weighing and manual classification station

Logical Process Description



This station has a primary purpose of registering classification and weight for carcasses and to print final slaughter label. Operators scan carcass/side traceability label and grades the side/carcass. Slaughter labels are printed on successful weight capture. Two slaughter labels should be printed per side, one per quarter.

Main Functions	<ul style="list-style-type: none"> • Classification, weighing and slaughter label printing
Input	<ul style="list-style-type: none"> • Barcode scan of traceability label • Weight from rail scale • Optional manual pH value entry.
Output	<ul style="list-style-type: none"> • Slaughter labels • Classification record
Integration	<ul style="list-style-type: none"> • N/A
Hardware	<ul style="list-style-type: none"> • 1 x Terminal with wall bracket • 1 x Rail scale interface with swing load compensation • 1 x Barcode scanner • 1 x Intermec label printer with printer enclosure
Layout Reference / Location	<ul style="list-style-type: none"> • 1.1
Reports	<ul style="list-style-type: none"> • All animals that are processed on this station.
Comments	<ul style="list-style-type: none"> • Traceability label is scanned on this station to ensure traceability. • Reports generated.....xxxx xxxx

**CARCASS
SIDE**

**PRIMAL
CUTTING**

**SHOULDER
1%**

**BELLY
2%**

**LEG
3%**

VERSUS

**EXPECTED
YIELD**

**ACTUAL
YIELD**

BALANCE

....%

+/-....

....%

+/-....

....%

+/-....



GOSystems for yield control

Recipe based yield control for deboning and cut up tasks

Recipe describes how a product is transformed into other products.

Process:

- An operator receives a product
- Based on the recipe the product is processed and transformed into one or more products

Each of those products has:

- An expected yield
- An actual yield
- A +/- balance

FRONTMATEC

Frontmatec develops world-leading customized solutions for automation in the food industry, other hygiene sensitive industries and the utilities industry. We are especially renowned for our high-quality systems for the entire value chain of the meat industry – from carcass grading, slaughter lines, cutting and deboning lines, hygiene systems and control systems, to logistics and packaging.

Barcelona, Spain

Phone: +34 932 643 800

E-mail: barcelona@frontmatec.com

Beckum, Germany

Phone: +49 252 185 070

E-mail: beckum@frontmatec.com

Birmingham, UK

Phone: +44 121 313 3564

E-mail: birmingham@frontmatec.com

Grodzisk Mazowiecki, Poland

Phone: +48 227 345 551

E-mail: grodzisk@frontmatec.com

Jining, China

Phone: +86 537 371 3266

E-mail: jining@frontmatec.com

Kansas City, MO, US

Phone: +1 816 891 2440

E-mail: kansascity@frontmatec.com

Kolding, Denmark

Phone: +45 763 427 00

E-mail: kolding@frontmatec.com

Lünen, Germany

Phone: +49 2306 7560 680

E-mail: luenen@frontmatec.com

Moscow, Russia

Phone: +7 495 424 9559

E-mail: moscow@frontmatec.com

Rijssen, the Netherlands

Phone: +31 886 294 000

E-mail: rijssen@frontmatec.com

Shanghai, China

Phone: +86 215 859 4850

E-mail: shanghai@frontmatec.com

Skive, Denmark

Phone: +45 975 250 22

E-mail: skive@frontmatec.com

Smørum, Denmark

Phone: +45 445 037 00

E-mail: smoerum@frontmatec.com

St. Anselme, QC, Canada

Phone: +1 418 885 4493

E-mail: quebec@frontmatec.com

Tandslet, Sydals, Denmark

Phone: +45 744 076 44

E-mail: tandslet@frontmatec.com

frontmatec.com