

## Case Study: Supermarket Chain



### Overview

Operating under the name of a large department store chain in Switzerland, this supermarket chain is home to a diverse range of fresh food products. Some of the items it offers, such as sandwiches, meats, and vegetables, are actually processed within the supermarket to provide customers with fresh, high-quality products.

*"To guarantee excellent product quality at all times, we needed to ensure each item not only meets but also exceeds industry standards. Providing refined food labels with comprehensive and accurate nutrition information is one way of maintaining the quality of our products. The tools and features found on EGS CALCMENU Web greatly helped in simplifying what was once such a complicated process."*

Accurate product information and excellent product quality cannot be achieved without the proper tools. This supermarket chain uses the right business solution to assist in simplifying the process of creating accurate and law-compliant labels for its food products.

### Company Specifications

EGS' intelligent web-based solution offers a host of useful features that enables establishments to:

- Develop law-compliant Composition labeling which provides precise and comprehensive nutrition analysis data to improve the quality of food products made available to consumers
- Streamline the entire declaration/composition process from basic product definition management to the printing of food product labels
- Encode all ingredient details and track approvals to ensure accuracy of information provided
- Review, edit, and finalize the composition before it is approved for label printing
- Export approved declarations to POS-scale or other systems

### Simplifying processes with the EGS web-based solution

The labels found on food products aren't developed and created simply by typing details and printing the label. Without the right tools and solution, the entire process can be rather complicated and extensive and may result in inaccuracies in product information and unnecessary expenses in operation.

EGS CALCMENU Web's Composition/Declaration Management module helped in creating and developing law-compliant declarations for new and existing food products, making the tedious process automatic and so much easier for the supermarket chain.

#### ■ Activity

Sells a variety of food products including freshly made food items through its supermarkets and restaurants

#### ■ Location

Switzerland

#### ■ Software solution

EGS CALCMENU Web Declaration/Composition module  
Interface with client-owned ERP product management system  
Product-Supplier management website  
POS/Scales linked to CALCMENU Web for data exportation

#### ■ In use

2008

#### ■ Results

- Promoted a more efficient way of providing law-adherent and accurate composition/declaration of recipes, approved and confirmed for labeling
- Created a more streamlined workflow for quicker and more cost-effective implementation of daily exportation processes to all supermarkets
- Optimized operations and enhanced data accuracy through systematic encoding of product information by suppliers
- Provided information about food products that is essential to consumers, especially to the health-conscious population
- Enforced strict standards to ensure that composition labeling complies with new Swiss laws and other government laws

Figure 1 With EGS CALCMENU Web's Composition/Declaration Management module, the entire process is streamlined and made more efficient in accordance with the law.

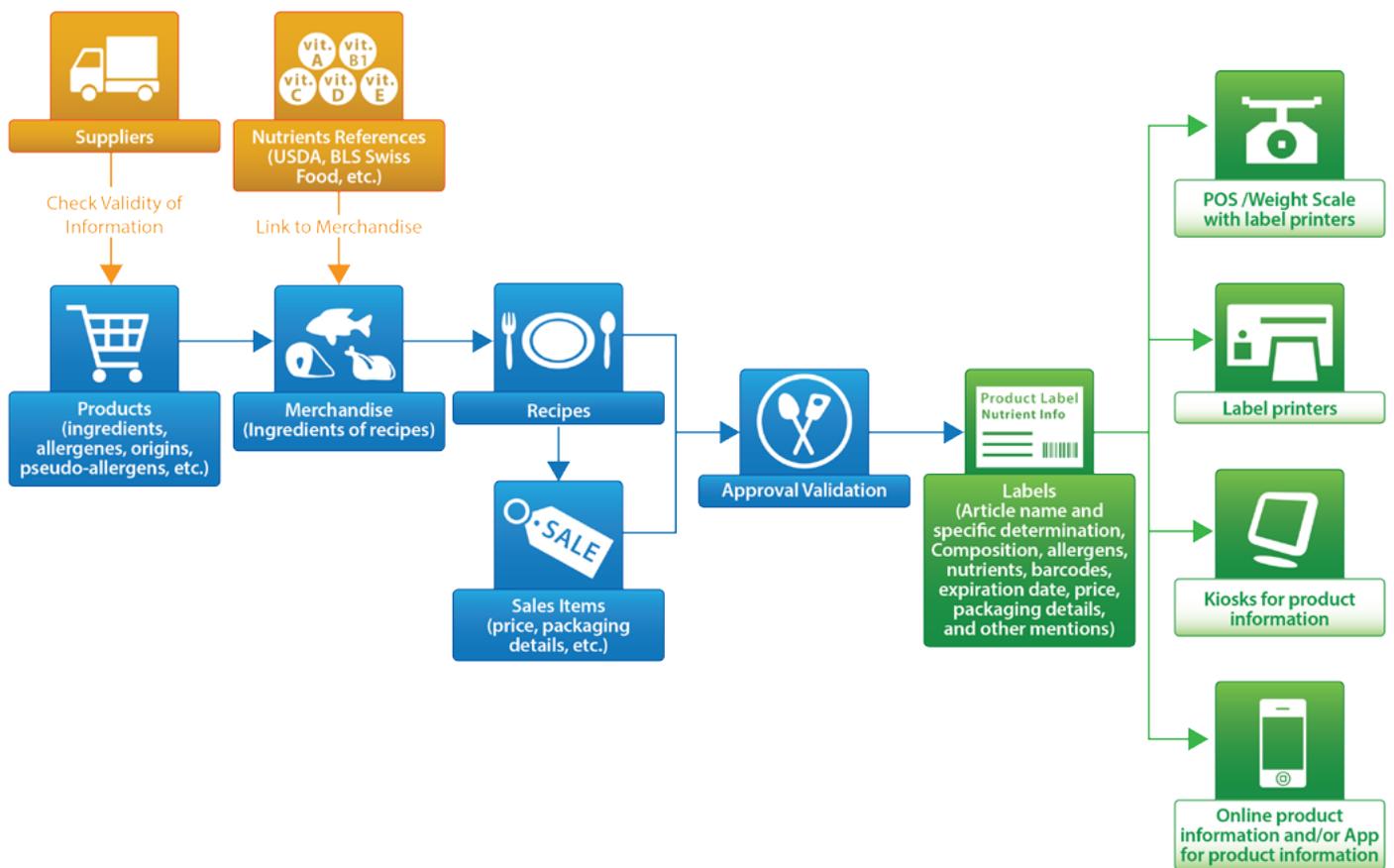


Figure 2 The system provides the necessary information to create the composition dynamically based on the recipe and chosen products.

**SOLUTION:**

**Percentage.** The quantity is used to calculate the percentage of each component of the recipe to be included in the composition, as well as the order in which each component appears.

**Ingredient.** Each recipe ingredient is associated with a product (and a supplier). The system analyzes the components of each product, including their functions (Ex: antioxidant, conservative agent, etc.), their origin and other useful information (BIO, pasteurized, etc.) and add these information in the declaration according to law requirements.

## Small Twist Bread with Special Luncheon Meat

Sandwich with a product based on pork

0.265 kg	CHF 24.50/kg
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**Ingredients:**

Special bread (wheat flour, water, palm oil, eggs, yeast, iodized salt, skimmed milk powder, whey powder, barley malt, grape sugar, buttermilk powder) based product pork 25% (pork (CH), water, lard, rind, milk protein, nitrite curing salt [salt, preservative (E2500)], stabilizer (E331), spices [pepper, paprika, celery], sugar, antioxidant (E300), flavor), pickled cucumbers (cucumbers, table vinegar, water, sugar, salt, spices), margarine [with emulsifier soy lecithin, flavor, color (E160a)].

Contains gluten, eggs, milk, celery and soy.

**Prepared on:** 01 January 2013  
**Use by:** 03 January 2013

**Storage Conditions:** +5 ° C.  
**Packaging:** Controlled atmosphere. BIO

Heather's RESTAURANT London, UK  
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**Specific Determination.** CALCMENU will display the specific determination of the recipe and ingredient as provided by the users in compliance to law requirements.

**Allergens.** Allergens of the recipe are automatically calculated based on the recipe's components. The label will include validated and adjusted allergen information, specifically defined if the recipe contains allergens as an ingredient.

**Expiration Date (Use by).** The expiration date can be managed by the system based on production dates, batches, etc. (traceability module is required).

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EGS' specialized web-based solution includes a set of product information essential to consumers, such as the list of ingredients, their specific functions, origin, allergens, and expiration date, among others. For the health-conscious, allergen information (contain, contain as trace, do not contain), ingredient function (antioxidant, coloring, etc.), and other details (BIO) are also included in the composition. Each ingredient is listed by order of weight with its percentage indicated properly. The system also enables efficient management of multiple levels of sub-ingredients. CALCMENU Web makes the entire process automated, as it is integrated with the supermarket's ERP system and a special website portal, allowing product importation and update on a daily basis.

The system currently complies with the Swiss law, but may also be adapted to European and other government laws.

Because these sets of information about each product are highly essential in maintaining food quality, it is crucial that they are thoroughly reviewed, edited, finalized, and validated to avoid errors prior to label printing. EGS created a solution for suppliers thru a web portal that enables them to encode and approve all ingredient details. All approvals and changes within the system can then be monitored and tracked more easily. All approved declarations are confirmed ready for label printing and are exported daily to the supermarket's POS system.



## Benefits

- Simplified and cost-efficient process for developing law-compliant composition/declaration labels
- Centralized and user-friendly web portal for product management
- Efficient exportation of essential data
- Maximized resources and savings
- Increased consumer awareness on food products
- Improved product quality

## About EGS

EGS Enggist and Grandjean Software SA integrates technology with culinary expertise to develop and provide a wide range of powerful Recipe Management Software solutions to meet the customized needs regarding standardization of foodservice, food production, recipe website marketing, and brand management of the foodservice industries.

For more than 25 years, EGS has over 1 million satisfied users including 50,000 chefs in 100 countries worldwide and is continuously developing new and innovative features for its applications; thus, earning the recognition of international culinary and hospitality institutions as one of the world leaders in foodservice software development.

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