

Billing Module

Another feature of the SPS Package is the 'Billing Engine'; a flexible module designed to automate the different types of invoices dealt with in ports, covering all business needs. This highly flexible module is designed to automate the billing business process.

The Billing Engine adds another essential component to the SPS Package, aimed at automating the different types of invoices dealt with in a port/ terminal, the Billing Engine covers a variety of business needs from Vessel Operation Services.

Types of invoices

The Billing Engine automates all types of port invoices. For example, for a Port Authority, the Vessel Invoice handles Vessel Operation Services and Cargo Operation Services are handled through different invoices, such as the Agency Invoice, the Stevedoring Invoice, the Direct Handling Invoice, the Storage Invoice and the Land Renters Invoice as well as the Storage License and Warehousing Invoice.

As for Container Terminals, again services are handled through a number of different invoices, such as the LCL Containers Invoice, the Load & Discharge Invoice, the Out Of Circle Invoice, the Shift Containers Invoice and the Storage Invoice.

The Billing Engine allows the addition of more types of invoices, as well as the modification of pre-defined invoices according to business needs. Cut Outs Taxes and Discounts may be calculated and added to the total amount of the invoice or to specific lines in the invoice.

Services Timings

Sunset & Sunrise, Day Off, Shift Periods and the Financial Year are taken into considerations when making services calculations Invoice Components Each invoice contains a group of services, each of which consists of a group of items; an item is only calculated through one method called the 'Expression'

Invoice Clause

Each item can include more than one tariff according to a set of conditions, all handled by the responsible user

Invoice Variables

The variables are either pre-defined in the system or user defined by entering a simple SQL statement implemented by the super user Contracts, Special contracts can be applied to different invoice types that affect the services calculations and discounts.

Security

The Billing Engine obeys strict user management control as security becomes an issue in billing modules.