

CLIENT

North Sea Terminal Bremerhaven GmbH & Co.
www.ntb.eu

Domain Expertise

Terminal Operation System implementation, Integration, Configuration and Maintenance

Our Expertise

Sparcs N4, N4 Billing, Groovy

Modules included

Sparcs N4 system - Billing

CHALLENGE

NTB faced difficulties to integrate their current billing processes with N4 as its billing systems was different from what the legacy system offered. Since all challenges were related to billing, the project had to be cautiously maneuvered. The GAPS that were addressed in the process are:

- To get EMPTY containers in Yard
- Storage of soft copies for the finalized invoice in a specific location
- Print Credits and store the softcopies with appropriate definition
- Social Fund percentage was to be included in every invoice generated (as per their government rules)

SOLUTION

- A groovy plug-in was developed, configured as a groovy task to accumulate the empty containers available in the yard and create a chargeable Unit Event in N4, in order to be processed by N4 Billing.
- While drafting the final Invoice, social fund percentage calculation was applied carefully with each invoice item, by developing a code extension with type Entity Life Cycle Interceptor.
- While finalizing Invoice and Credits, a groovy was triggered automatically which would store the softcopies at the specified location.
- A groovy was developed so as to print the credit and store the soft copy at a specific location.

BENEFITS

- A new system was established for invoicing, which allowed for storage and modification, increasing efficiency of the whole operation manifold.
- Easily maintainable billing system helped to calculate revenue with increased accuracy.
- The customized social fund percentage model improved efficiency, thereby helping in decision making within the organization and predicting future growth.
- Better business insights were measured with the systematically organized data.