

EiB Analytics Case Study

Core Business

NYK Line - Nippon Yusen Kaisha. Nippon Yusen Kaisha (NYK Line) is a leading global shipping company, offering premium transport services while maintaining uppermost standards for safety and quality of service.



Reporting Background:

Prior to the implementation of EiB Analytics, the reporting process at NYK Line was extremely labour and resource intensive. It required the extraction of information from the ShipNet Accounting System (SNACs) using Crystal Reports into Excel, from which complex Pivot Tables were then produced and hosted for each profit centre. NYK Group uses SAP as its major ERP across all its businesses, so additional mappings needed to be created within Crystal Reports to match the Pivot Tables to the correct SAP based revenue analysis statements.

“The ability to remap the ShipNet chart of accounts to SAP groupings used by NYK global for reporting purposes is a major benefit of using EiB Analytics”.

Sayaka Yamazaki

“Profit centres would then often modify / copy the Pivot Tables to create additional user views of the data. This was not only costly in terms of time and effort, but also incurred reduced flexibility of what managers could analyse, for instance time series analysis was simply not possible”, stated Sayaka Yamazaki, BPM Team. “By introducing EiB Analytics we aim to automate this process, provide better reporting flexibility and to make our Financial information available to a much wider audience”.

Ship by Voyage and Trade

NYK_FINI, Finance (28/1/2016 12:10:36 PM)

Finance Calendar : January 2016
 Ships Id : All
 Voyage Status : Current
 Operator Name : Operator XYZ
 Trades : All
 Profit Centre : A104XF
 Views : CP Act Mvt

Ship-Voyage-Trade-Major-Account	Information	Base Amount	Report Amount
VESSEL-3GX	3GA	-\$42,607.34	¥16,889,181
Voyage 34 of VESSEL-3GX	Jan 17 2016 8:30AM	-\$42,607.34	¥16,889,181.01
運賃 (Freight)	Vessel 1	-\$1,051,846.11	¥127,663,637
デスデマ (Des/Dem)		-\$34,919.13	¥3,580,271
70016000 - Demurrage		-\$34,919.13	¥3,580,271
運賃 (Freight)		-\$1,765,102.73	¥208,137,956
70011000 - Freight		-\$1,090,175.16	¥115,484,753
70012000 - Freight BAF		-\$674,927.57	¥92,653,203
燃料費 (Fuel)		\$713,256.62	¥80,474,319
消費燃料 (Bunker Consumption)		\$716,916.70	¥80,792,862
74960000 - Bunker Consumption FO(HS)		\$711,928.58	¥80,502,814
74960002 - Bunker Consumption MDO		\$4,988.12	¥290,048
74960100 - Bunker Consm DUMMY FO(HS)		-\$0.01	¥1
74960102 - Bunker Consmp DUMMY MDO		\$0.01	¥1
燃料その他 (Bunker FA)		\$7,309.50	¥814,632
74961000 - Fuel Additives		\$7,309.50	¥814,632
燃料その他 (Bunker Other)		\$1,382.12	¥168,076
74969000 - Fuel Others		\$1,382.12	¥168,076
Loss from Bunker Valuation		-\$12,351.70	¥1,301,252
74988881 - SAKURA ACCOUNT		-\$12,351.70	¥1,301,252
港費 (Port)		\$96,231.29	¥10,839,758
港費 (Port)		\$81,169.00	¥8,950,259
75355000 - Port		\$81,169.00	¥8,950,259

sample1 | Sample2a | Sample2b | **NYK - Ship by Voyage & Trade**

Major Account by Profit Centre

NYK_FINI, Finance (3/13/2016 7:55:51 AM)

Finance Calendar : February 2016

Version : Actual

Major Acct	A109GF - (TF)	C109X3 - Bulker(A3)	C104YY - Bulker(TK)	C111XJ - (TD)	C369AB - (TL)	C461U - (TM)
運賃 (Freight)	-¥3,765,731,790	-¥2,544,963,266	-¥2,097,016,597	-¥3,236,575,172	-¥2,868,323,966	-¥3,390,616,478
貸船料 (TC Hire)	-¥73,593,656	-¥53,827,595	-¥56,925,169	-¥74,169,545	-¥91,298,112	-¥30,532,950
その他海運業収益 (Other Income)	¥5,237,584	¥6,544,014	¥2,336,768	¥6,666,607	¥3,116,109	¥6,276,794
本船貨物費 (Cargo)	¥6,521,305	¥5,981,638	¥2,336,768	¥4,531,210	¥3,312,916	¥6,575,689
燃料費 (Fuel)	-¥79,384,541	-¥65,459,181	-¥111,400,125	-¥93,748,612	-¥75,555,309	-¥42,497,826
港費 (Port)	-¥88,295,051	-¥57,963,855	-¥110,522,959	-¥98,556,233	-¥112,411,558	-¥40,158,496
運航雑費 (Voyage)	¥0	¥0	¥26,768,565	¥0	-¥1,947,753	¥1,978,427
借船料 (含 コスト賃) (TC In Hire)	¥0	¥0	¥30,027,347	¥0	-¥1,625,684	¥1,579,674
その他海運業費用 (Other Expense)	-¥3,579,526,018	-¥3,625,637,368	-¥2,580,293,171	-¥3,898,442,927	-¥2,694,216,965	-¥3,411,932,207
船店費 (Crew/Ship Expense)	-¥3,835,206,447	-¥3,746,491,947	-¥1,994,848,502	-¥2,798,882,102	-¥2,479,904,252	-¥3,122,785,410
為替差損益	-¥1,888,723,655	-¥1,899,397,416	-¥1,136,641,929	-¥2,022,054,840	-¥1,658,357,464	-¥1,566,036,676
店費	-¥1,265,292,578	-¥1,273,035,281	-¥912,988,647	-¥1,282,116,006	-¥1,086,125,052	-¥1,006,595,824
支払利息	¥0	¥0	¥0	¥0	¥0	¥0
受取利息・配当金	¥0	¥0	¥0	¥0	¥0	¥0
設備金利	-¥122,245,393	-¥171,468,512	-¥134,579,110	-¥136,475,886	-¥149,211,132	-¥87,445,732
その他営業外費用	¥448,776	¥311,112	-¥5,890	-¥180,792	¥472,152	¥332,200
その他営業外収益	¥482,922	¥389,784	-¥53,406	-¥202,554	¥527,160	¥965,352
船舶減価償却費 (Ship Expenses)	¥463,410	¥314,688	-¥55,476	-¥225,990	¥495,072	¥957,030
Total	¥14,684,845,133	¥13,424,703,184	¥9,073,911,535	¥13,630,432,843	¥11,211,053,838	¥12,679,436,433

EiB Financial Analytics SNACs Solution:

"With EiB Analytics, our users can now get up to date information themselves on a self-service basis. The information can be analysed flexibly by major and minor account groupings and all the reports are in Excel which they are familiar with. EiB Analytics also produces all final output in Japanese, a key requirement for NYK.

By loading all our data from ShipNet into the EiB Analytics Finance Cube, our users should experience fast and consistent

access without any performance degradation on our underlying core financial application – SNACs. We are deploying EiB Analytics to around 180 users across 7 NYK Citrix servers – 150 Vessel Operators, 20 Profit Centre Managers and 10 Coordination Group Managers. This provides a secure and robust environment for Financial MI.

"The benefits of EiB Analytics will be very significant. We will automate distribution of all our information to 180 users, who can all run standard reports and design new reports themselves. We have removed the dependency on one key member of staff being responsible for all preparation of financial information in Crystal, a business risk in its own right" adds Sayaka - BPM team, Tramp-Coordination Group in Dry Bulk and Energy Division. "Furthermore, our users can now get information how and when they want, including trend information across time".

EiB Analytics Products & Technology Deployed:

- EiB Financial Analytics for ShipNet (SNACs)
- EiB Analytics menu application for remote access

Further Information:

For further EiB Analytics case studies and product information, visit www.excelinbusiness.com

For information specific to this case study contact casestudies@excelinbusiness.com