

背景說明

廠區內尚有許多可再運用之餘料，艦裝電裝工場針對電艦品、軍規電纜進行整理、檢驗後辦理退庫不但可減少報廢，且後續造船、造艦的電艦品、軍規電纜也能減少採購之支出。

執行現況

1. 電艦品：

1-1. 基隆廠區內電艦品剩餘料件保存狀況良好，若報廢實屬可惜。因此，將剩餘料件透過調撥至高雄廠再修改成標準電艦品，就可應用於建造之船舶中，不僅能節省之採購費用支出，也不會造成艦品浪費。



基隆廠餘料調撥高雄廠檢整再利用

1-2. 將建造新船所剩餘之標準艦品辦理退料作業，確保剩餘料回收再用不被任意丟棄減少浪費。

台灣國際造船股份有限公司 退料單									
品名	規格	單位	數量	備註	檢核	備註	檢核	備註	檢核
1	572122121	CABLE BACK TYPE RSS (RSS-20A)	1	3	634	SO1Y			
2	572122122	CABLE BACK TYPE RSS (RSS-20B)	1	8	2342	SO1Y			
3	572122123	CABLE BACK TYPE RSS (RSS-20C)	1	6	2082	SO1Y			
4	572122111	CABLE BACK TYPE RSS (RSS-15A)	1	5	960	SO1Y			
5	572122141	CABLE BACK TYPE RSS (RSS-30A)	1	11	2671	SO1Y			
6	572122142	CABLE BACK TYPE RSS (RSS-30B)	1	16	5339	SO1Y			
7	572122146	CABLE BACK TYPE RSS (RSS-35A)	1	6	1743.5	SO1Y			
8	572122147	CABLE BACK TYPE RSS (RSS-35B)	1	2	963.42	SO1Y			
9	572122143	CABLE BACK TYPE RSS (RSS-30C)	1	8	3596	SO1Y			
10	572122156	CABLE BACK TYPE RSS (RSS-45A)	1	2	524	SO1Y			

剩餘艙品退料

2 軍規電纜：

AOE 交船後仍有剩餘軍規電纜，但軍規電纜之價格昂貴及防護等級較高不適合商船使用，目前一直存放在庫房中。適逢 LPD 艦之建造，規劃將 AOE 剩餘之電纜轉應用於 LPD。

為確保剩餘之軍規電纜符合標準，由現場領班、班長，配合品保處進行電纜絕緣、導電...等測試並取得船籍認證，目前 LPD 船建造所需電纜已可使用 AOE 剩餘電纜。

AOE剩餘電纜檢測作業 - 交驗 (配合品保處、船東、船籍檢驗)



AOE剩餘電纜檢測作業 – 檢驗報告

中國驗船中心
CR Classification Society

Ref No. 738-20-007
Draw No. 272

List of Electric Cable

Item	Manufacturer	Type	Draw No.	Quantity
1	Kubota	L8785-2	312-2-51	500M x 1
2	JR	L30904-30	5611315A09	438M x 1
3	JR	L30904-28	5611315A07	403M x 1
4	JR	L30904-30E	5611315A03	407M x 1
5	JR	L30904-30C	5611315A02	464M x 1
6	JR	L37854-14	561131A204	439 M x 1
7	Mitsuo	L37850-33	17292	177M x 1
8	I.S.	L37350-50	13C-05-02	203M x 1
9	I.S.	L37350-39	13C-05-01	203 M x 1
10	Mitsuo	L37350-109	172917	424 M x 1
11	Mitsuo	L37350-109	71165	229 M x 1
12	JR	L37854-309	5611316 A37-5 5611316 A37-6	500 M x 1 + 199 M x 1
13	Siemens	L37350-309	-309	121 M x 1
14	I.S.	L37350-180	13C-05-07	209 M x 1
15	Kubota	L38650-130	3	341 M x 1
16	Mitsuo	L38650-37	307933	209 M x 1
17	Mitsuo	L38650-44	215059 / 215013	107 M x 1 + 132 M x 1
18	Mitsuo	L38650-24	-309	207 M x 1
19	I.S.	L37350-1.5	13C-05-13-1 13C-05-10	143 M x 1 + 88 x 1 M
20	HSIC	L3820-1	-309	99 M x 1
21	Mitsuo	L3200-50	172417 / 172418	230M x 1 + 156 M x 1
22	I.S.	L3200-30	13C-05-07	218 M x 1
23	Mitsuo	L3200-12	-309	99 M x 1 + 209 M x 1
24	I.S.	L3200-19	13C-05-38	20 M x 1
25	Mitsuo	L3200-13	-309	11 M x 1 + 30 M x 1
26	I.S.	L3200-20	13C-05-12-0019	210 M x 1
27	I.S.	L3200-175	13C-05-40	461 M x 1

中國驗船中心
CR Classification Society
CERTIFICATE OF INDEPENDENT INSPECTION

Certificate No. 738-20-007 Date issued 18 FEB / 03 2020 Issued at Kaohsiung

This is to certify that the Undersigned Surveyor did, at the request of CSBC Corporation, Taiwan attend CSBC Corporation, Taiwan on March 11, 2020 according to the following machinery/equipment for the following machinery/equipment: **MR. CABLE TEST PROCEDURE & REPORT** provided by CSBC.

Particulars and Quantity of Machinery, Parts, Equipment, Etc.

Machinery/Equipment name : Electric Cable
 Type : See the attached sheet
 Drum No. : See the attached sheet
 Quantity : See the attached sheet
 Manufactured by : See the attached sheet
 Intended for : CSBC FRIG 1103

Note: The test specimens were sampled from each cable type by CSBC Corporation, Taiwan, and the following tests (2)(3)(4)(5)(6)(7)(8) were carried out satisfactorily. The test record(s) is/are attached for reference.

- Conductor resistance test
- Voltage withstand test
- Insulation resistance test

As a result of the tests/inspection undertaken as above, the Undersigned deemed that this machinery/equipment was found satisfactory in compliance with the "MR. CABLE TEST PROCEDURE & REPORT" provided by CSBC. Survey was made without prejudice.

Y. H. CHOU
Surveyor
CR Classification Society

Form No. 1085E/05/05/04
For Machinery, Parts, Equipment, Etc. for approval 1/2

節省金額

截至目前為止 109 年 1 至 5 月電艙品餘料總共節省\$1,198,026 元、AOE 電纜總節省金額\$6,989,905 元，總計節流金額\$8,187,931 元。

結論

從時間、資源、成本三大要素著手，徹底檢視公司內部生產之每一環節，將資源有效回收利用、節省成本支出且能縮短物料採購的等待期，以換取建造時程之縮短。不僅有效達到 EP-10 之目標方案，更能養成同仁重視資源節省之觀念。