# Offshore Decommissioning Services

# Offshore Platform Materials Inventories & Decommissioning Engineering

- >19 platform Materials Inventories with Waste Characterisation and subsequent ongoing onshore disposal support
- SNS live Gas platform budget development & waste inventories/assurance
- SNS gas platform engineering design & costings for redundant plant removal

Plant & Equipment





**HVAC** 





Piping & Valves





Electrical







# Regulatory

**DECC Decommissioning Programme** 

Feed into Energy & Emissions calculations & Comparative Assessments

Appropriate level of surveys

Feed into TransFrontier Shipments (EWC & Norwegian)

**EEMS Waste Reporting** 





# Engineering Design

Need to know what is present and where it is ..... feed into decommissioning design works



# Contractual

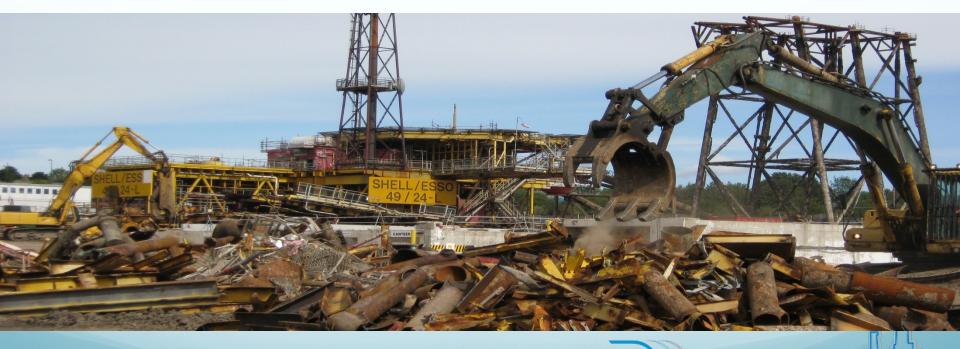
Quantities for tendering offshore and onshore works (separated out as often two different contractors)

Lump sum clarity for hazardous and risk items



# **Onshore Works**

- ✓ Quantities and waste characterisation for onshore regulatory compliance (permits can specify limits)
- ✓ Ensure Onshore contractors have applicable experience and expertise
- ✓ Feed into contractor's waste tracking and assurance system.



# Asset Resale and Reuse

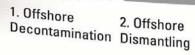
Underpin potential resale of plant and equipment for reuse &

recycling



# DAWN **DECOMMISSIONING ASSURANCE THROUGH WASTE KNOWLEDGE**





3. Transportation

4. Onshore Dismantling

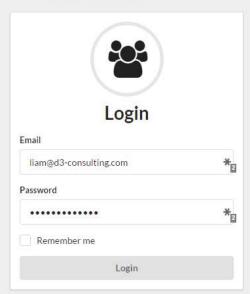
5. Final Disposal

6. Recycling Materials











Assets

EWC Codes



Dashboard > D3 Oil Inc.

# Liam Jonas, Welcome to DAWN.



## Manage Your Assets

Add new assets, manage your existing, or download reports.



# **FPSO**

7.165.50 MTe of which 0.00 MTe Hazardous

x Topside x Jacket ✓ Subsea

Manage

Export (.xis) Download Reports



# Platform

3,236.47 MTe of which 62,46 MTe Hazardous

✓ Topside ✓ Jacket X Subsea

Export (.xls) Download Reports



# Satellite Platform

915.15 MTe of which 46.09 MTe Hazardous

Manage

Manage

✓ Topside ✓ Jacket ★ Subsea

Export (.xls) Download Reports

# Audit Activity



Liam Jonas, 04/01/2016



Martin, 27/11/2015





Liam Jonas, 27/11/2015

Edited item Lead acid Batterries x 18 in Platform: Topside > Topside Module



Liam Jonas, 17/11/2015

Updated details on FPSO

1



Assets

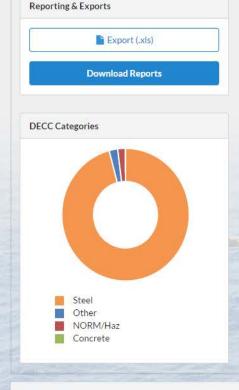
**EWC Codes** 

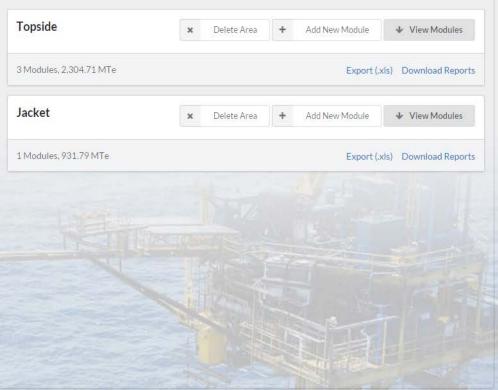
# Liam Jonas

### Dashboard > D3 Oil Inc. > Platform











Assets

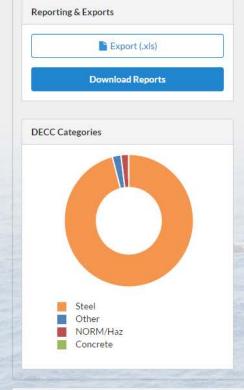
**EWC Codes** 

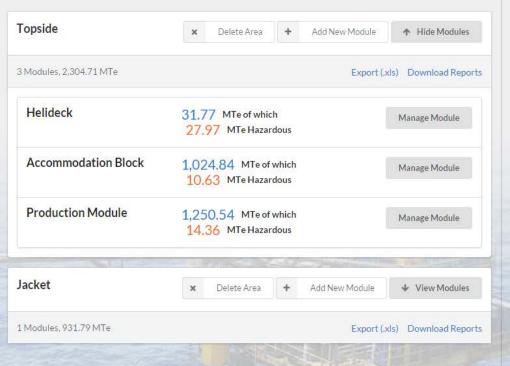


### Dashboard > D3 Oil Inc. > Platform



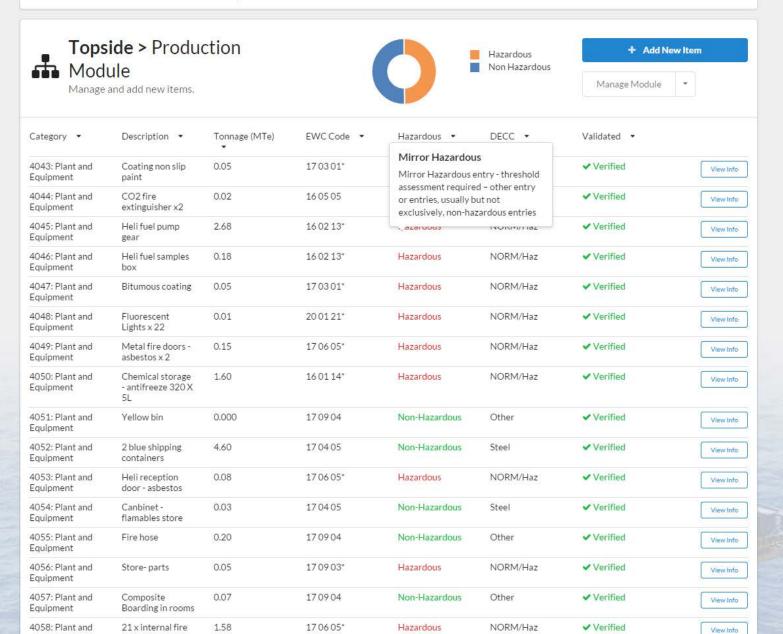






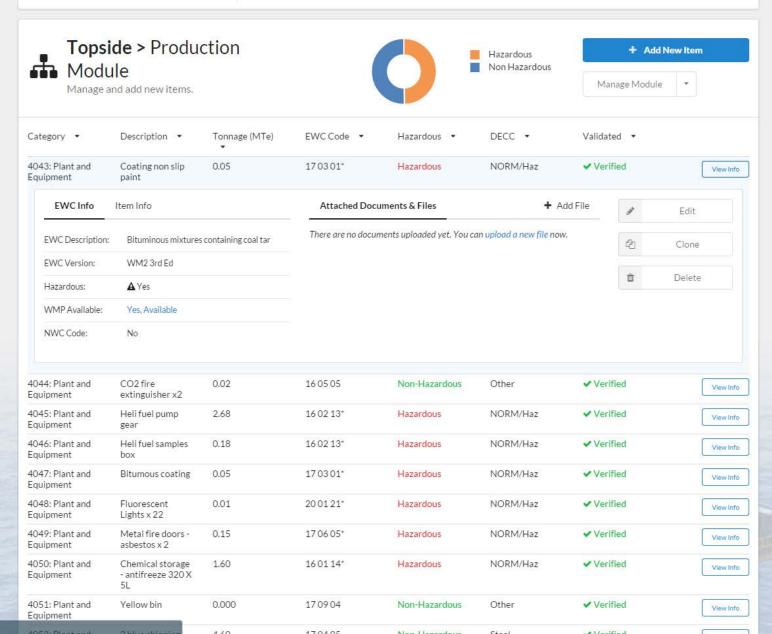
### Dashboard > D3 Oil Inc. > Platform > Topside > Production Module

Assets





### Dashboard > D3 Oil Inc. > Platform > Topside > Production Module



### Dashboard > EWC Codes



# **EWC Code 17 03 01\* Waste Management Protocols**

### Sample Procedure

Coal Tar analysis

### Offshore Decontamination

Leave in-situ as part of the structural element for removal to onshore yard

### Potential Environmental Impacts

Escape to marine environement during removal process - ensure capture of any unbound materials

### Handling Requirements

Captured material should be kept dry to prevent potentially contaminated water run off.

### Yard Storage Requirements

Coal Tar containing materials should be kept in a covered skip to prevent water ingress.

### Re-use Recycling Options

Hazardous landfill is the only option at present

### **Disposal Options**

Currently Coal Tar products would go to Disposal at hazardous landfill.

Copyright © D3 Consulting



- antifreeze 320 X

Vallow bin

5L

Equipment

4051: Plant and

Assets

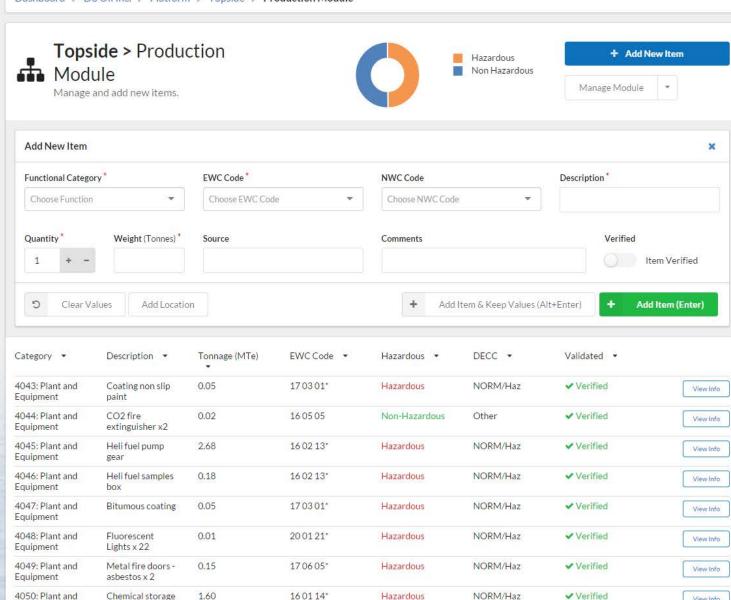
**EWC Codes** 



View Info

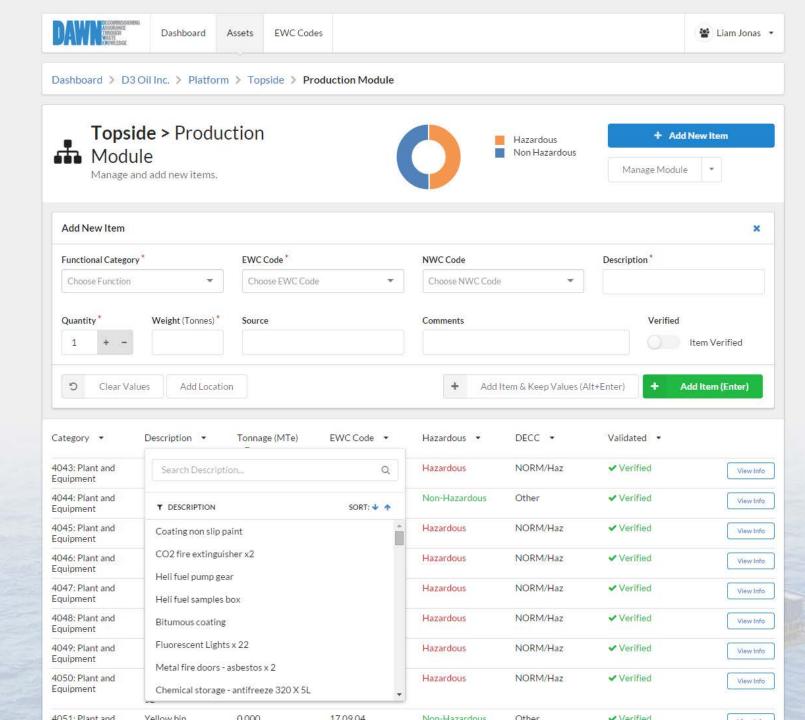
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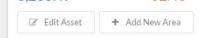
### Dashboard > D3 Oil Inc. > Platform > Topside > Production Module



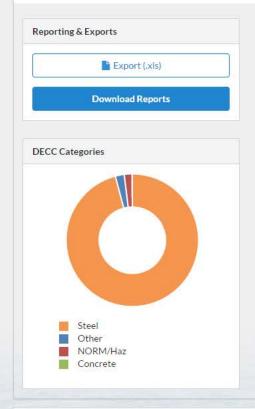
170004

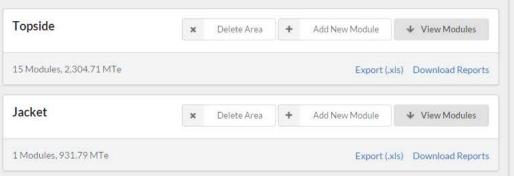
Non-Hazardous





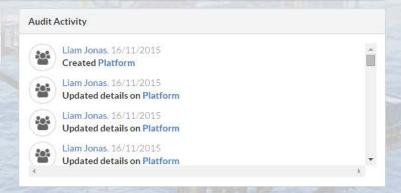


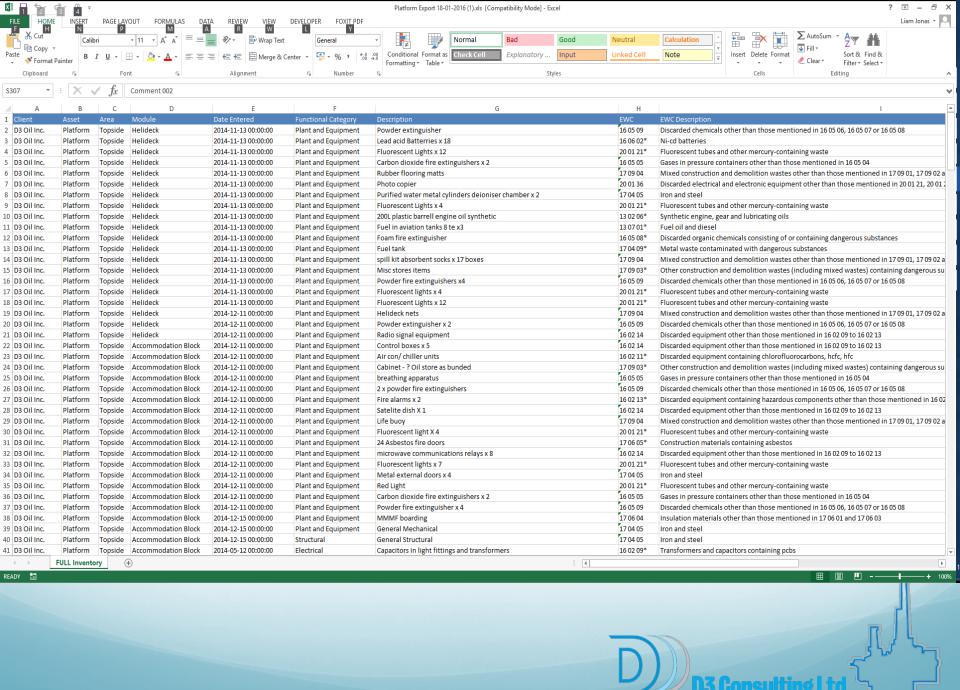


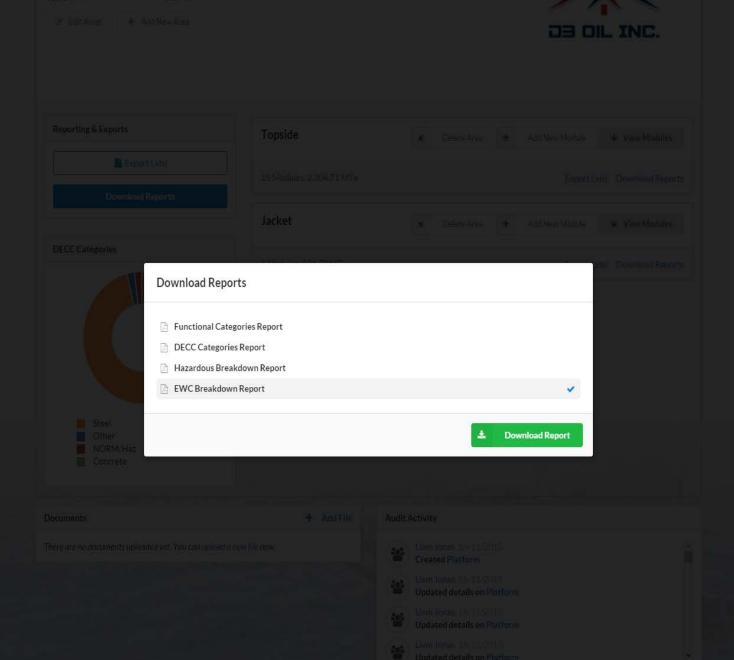


Documents + Add File

There are no documents uploaded yet. You can upload a new file now.



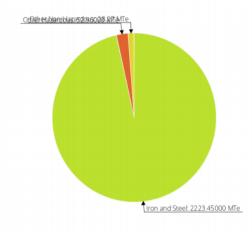




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# **Platform - Topside**

# **EWC Breakdown Report**



EWC Code	Tonnage (MTe)
17 04 05	2223.45000
13 07 01*	24.06000
17 04 11	12.51000
17 04 09*	9.20000
17 06 05*	5.46000
17 02 01	5.20000
17 09 03*	3.39000
16 05 05	3.39000
16 02 13*	3.36000
16 06 01*	3.01000
16 02 14	2.95000
17 09 04	2.47000

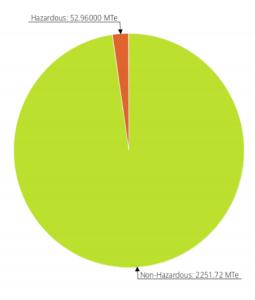


wn Report.pdf 1/1

# **Platform - Topside**

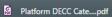
# **Hazardous Breakdown Report**

Hazardous Waste Breakdown - Topside

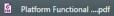










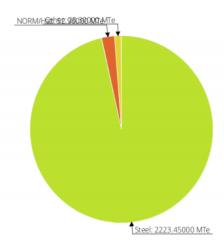




ort.pdf

# **Platform - Topside**

# **DECC Categories Report**

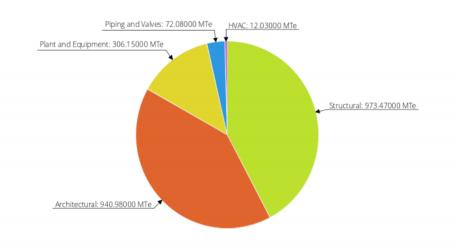


Concrete (MTe)	Non- Ferrous (MTe)	NORM/Haz (MTe)	Other (MTe)	Plastic (MTe)	Steel (MTe)
0	0	52.96000	28.30000	0	2223.45000



# **Platform - Topside**

# **Functional Categories Report**



Architectural (MTe)	Electrical (MTe)	HVAC (MTe)	Piping and Valves (MTe)	Plant and Equipment (MTe)	Structural (MTe)
940.98000	0.00000	12.03000	72.08000	306.15000	973.47000



### Dashboard > EWC Codes



### WM3 1st Ed WM2 3rd Ed

Level 1:08 Wastes from the manufacture, formulation, supply and use (mfsu) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks

View Sub Codes

### Level 2 Codes

Level 2: 08 01 Wastes from mfsu and removal of paint and varnish

View Sub Codes

View Sub Codes

View WMP Info

### Level 3 Codes

Waste paint and varnish containing organic solvents or other dangerous substances Level 3: 08 01 12 Waste paint and varnish other than those AN: Absolute Non-Hazardous mentioned in 08 01 11

Level 3: 08 01 14 Sludges from paint or varnish other than AN: Absolute Non-Hazardous

Level 3: 08 01 17\* Wastes from paint or varnish removal containing organic solvents or other dangerous substances

Oll wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19) Level 1: 13 View Sub Codes Level 1: 15 Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise View Sub Codes specified Level 1: 16 Wastes not otherwise specified in the list View Sub Codes Construction and demolition wastes (including excavated soil from contaminated sites) View Sub Codes Level 1: 20 Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including View Sub Codes separately collected fractions Level 1: NORM Naturally occuring radioactive material.

