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HOYSAN 海山
we get it done

15 / 02 /2018

PSA QUAY CRANE
Job Completion - Report

ZINGA

Scope of Work : Blasting & Painting of welded areas (as per client information)
Starting Date : 27 / 01 / 2018
Completion Date : 15 / 02 / 2018

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PSA QUAY CRANE
Job Completion - Report

ZINGA

CONTENTS:-

- Planning
- JOB SCOPE
- JOB SCOPE +(Additional Scope of works)
- Progress (Process Flow Pictures)
- NDT Reports (Annex A)
- MPI (Annex B)
- ZINGA Warranty (Annex C)

PSA QUAY CRANE
Job Completion - Report

15 / 02 /2018

Actual Planning:-

SL	Description of Scope	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU
		1			2								3							4	
		27-1-18	28-Jan	29-Jan	30-Jan	31-Jan	01-Feb	02-Feb	03-Feb	04-Feb	05-Feb	06-Feb	07-Feb	08-Feb	09-Feb	10-Feb	11-Feb	12-Feb	13-Feb	14-Feb	15-Feb
1	Mobilization of tools materials & Consumables	100%																			
2	Blasting & Zinga coating Loc	100%																			
3	NDT		100%																		
4	Intermediate coats			100%																	
5	Topcoats				100%																
6	De-Mobilization of Tools material & Consumables				100%																

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PSA QUAY CRANE
Job Completion - Report

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JOB SCOPE :-

To rectify the welded area on crane:

- Grind the welded area
- SATBlast Vapor-blast to SA 2.5
- Conduct MPI on welded joints
- To power brush area and apply one layer of Zinga @ 80 microns
- To apply one layer of PU topcoat @ 100 microns

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PSA QUAY CRANE
Job Completion - Report

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JOB SCOPE (Additional Works in Red) :-

To rectify the welded area on crane:

- **Gas-Cutting** and Grinding the welded area
- SATBlast Vapor-blasting technique to remove the existing coating material and all loose rust and mill scale.
- Conduct **UT** & MPI on welded joints
- To power brush area and apply one layer of Zinga @ 80 microns
- To apply **(3 Coat System)** one layer of PU topcoat @ 100 microns
- **Paint (Black, Yellow, White) on all welded areas**
- **Touch Up Painting on all stud/nut and damaged areas +4" on all sides**
- **Clean up all markings with thinner & Paint touch up**

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Job Completion - Report

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Findings:-

1 Undercut in welding (base metal)

2 Gas cutting of residual pad eye

3 Grinding of misc metal parts

4 Blasting marking incl. Burn marks

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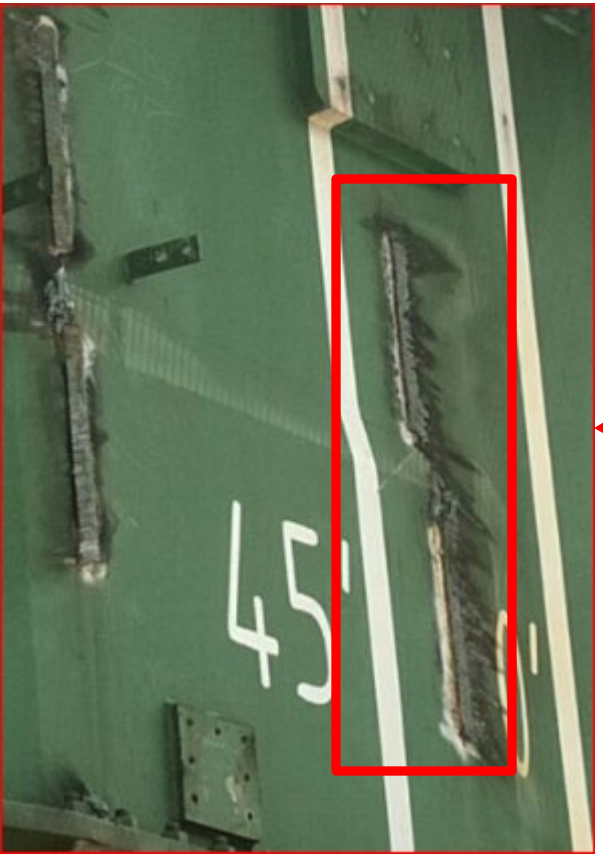
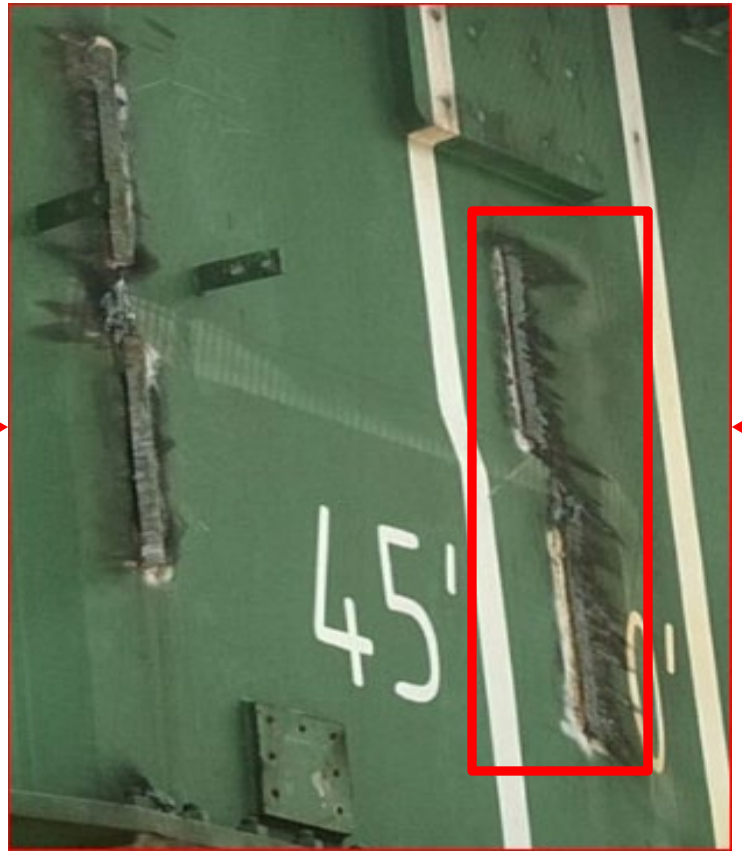
PSA QUAY CRANE
Job Completion - Report

ZINGA

Surface Preparation – Before Blasting





Actual at site

After Gas cutting –Samples

After Grinding

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Job Completion - Report

ZINGA

Surface Inspection – N.D.T. (UT) – Refer Annex A

N D T Test

U T

U T

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Job Completion - Report

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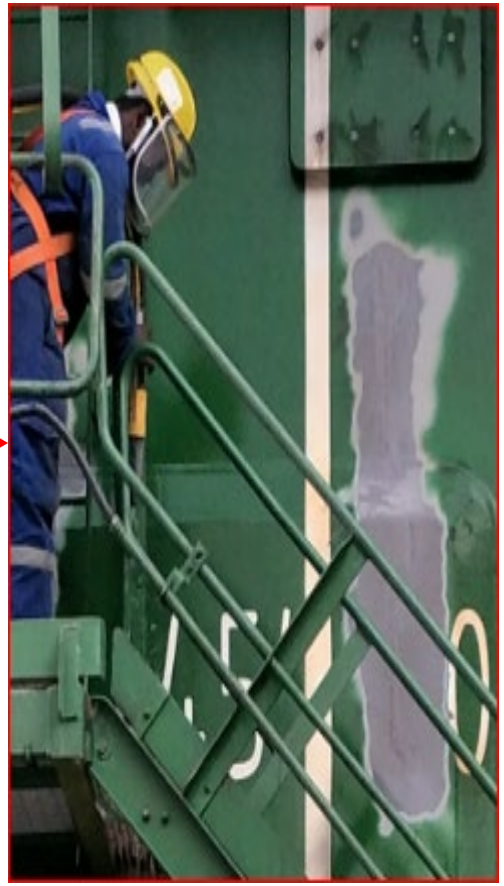
Surface Preparation – Blasting (SA 2.5) + Cleaning

Post Grinding

Vapor Blasting



Washing

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PSA QUAY CRANE
Job Completion - Report

ZINGA

Surface Cleaning + Coating (ZINGA)

Washing

Air Drying with Compressed Air

Zinga – Film Galvanizing

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Job Completion - Report

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Coating – Intermediate coat (1 &2) + Top Coat

Int. Coat -1

Int. Coat -2

2 Coat – Top Coat

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Job Completion - Report

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Additional Works - MPI (Annex B)

Welded Support

Control Room - Shelter

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Job Completion - Report

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Additional Works – MPI (Annex B)

Welded Support

Hand Rail

Hand Rail

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Job Completion - Report

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Additional Works – MPI (Annex B)

Welded Support

Hand Rail

Hand Rail

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Job Completion - Report

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Additional Works - Clean & Coat

Before

After

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PSA QUAY CRANE
Job Completion - Report

ZINGA

Additional Works – Clean & Coat

Before

After

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PSA QUAY CRANE
Job Completion - Report

ZINGA

Additional Works - Clean & Coat

Before

After

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Job Completion - Report

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Additional Works – Clean & Coat

1st Caot

2nd Coat

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Job Completion - Report

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Additional Works – Clean & Coat (Post MPI)

Support – Platform

Support – Cable Drum

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Job Completion - Report

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Additional Works - Clean & Coat (Post MPI)

Markings, Grinding marks

Hand rail re-coating

Support Bar - Ladder

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PSA QUAY CRANE
Job Completion - Report

ZINGA

Additional Works – Clean & Coat (Post MPI)

Roof Full Painting (Both Sides)

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Job Completion - Report

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Additional Works – Clean & Coat

Cleaning & Painting of Fasteners , Supporting Frame and all around 4” border

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Job Completion - Report

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Additional Works – Markings for Cranes

On Site – Preparation of Template, Marking and painting of missing numbers

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PSA QUAY CRANE
Job Completion - Report

ZINGA

DFT Readings – Validate Corrosion Protection Warranty

DFT – Readings (after Painting & Completion of all works)

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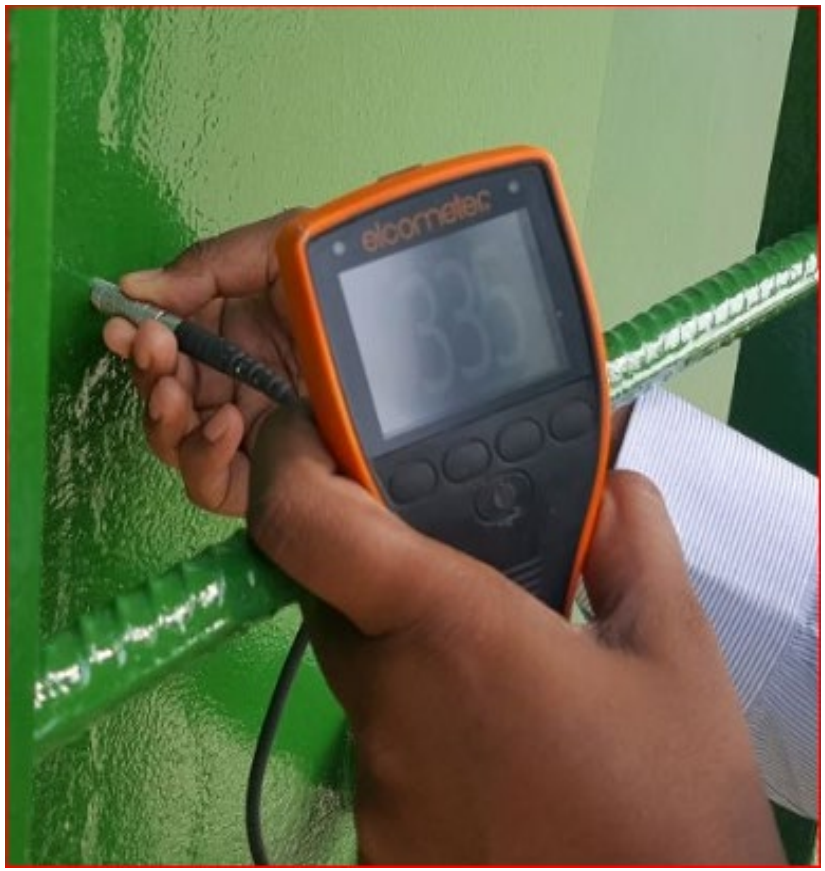
PSA QUAY CRANE
Job Completion - Report

ZINGA

DFT Readings – Validate Corrosion Protection Warranty



DFT – Readings (after Painting & Completion of all works)