#### Benghazi 2 Kiln Shut Down Maintenance Views



Inspected and repaired of fans (impellers, casing and joints) wherever required.
Inspected and lubricated the all bearings
Inspected and maintain cooler hydraulic system and changed hydraulic oil Inspected & arrested oil leakage
Inspected and Maintained clinker crusher both bearings ,hammers ,bars and cooling disc

Inspect & replaced worn, cracked, burnt and fractured coanda nozzles

Inspected and replaced the worn out/cracked and deformed side plates after removing the castable.

Inspect the support grate for movable and fixed and clean under the plates inside air ducts









Measured chain elongation, and inspection of the chain links for cracks, wear and the connecting pins as well, and replaced the defected ones

Inspection and replacement of damaged / worn out/ holed buckets

Removal and replacement of the drive and driven sprockets due to wear and cracks

Inspection and replacement of feeding and discharge chute .

Inspected and lubricated the top and lower bearings' of the head and tail shaft of the elevator





Inspected fan and replaced fan damper

Removal and installation of new cladding sheet with Rockwool at id fan delivery duct

Inspected id fan both DE and NDE bearing and lubricated













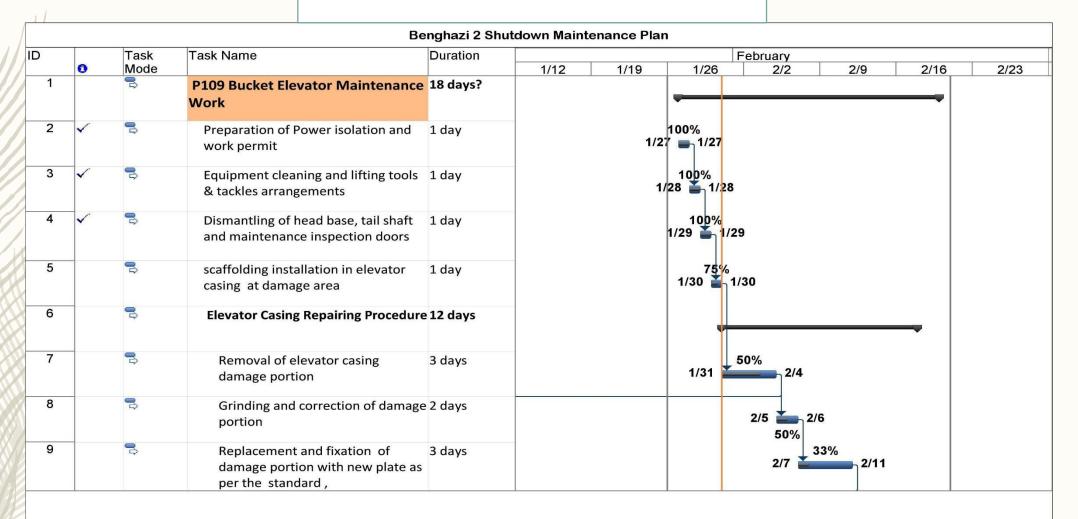








#### Green Company Work Procedures and Plan



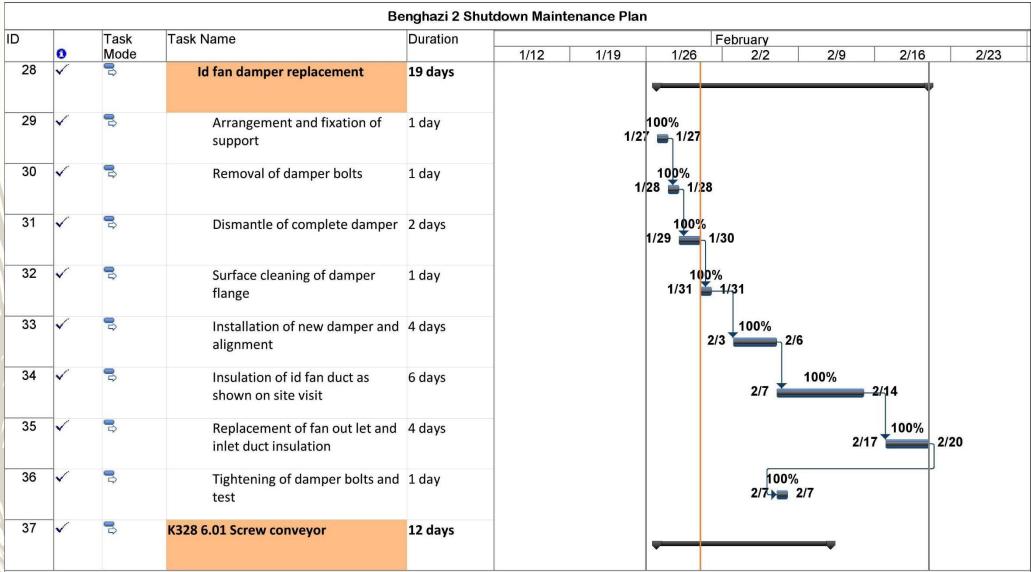


			Be	enghazi 2 Shu	tdown Maint	enance Plar	1						
D		Task	Task Name	Duration	February								
	0	Mode			1/12	1/19	1/26	2/2	2/9	2/16	2/23		
10		8	Sandblast, welding and painting of repair portion	f 3 days									
11		8	<b>Bucket Replacement Procedure</b>	11 days?				<b>—</b>					
12		3	Removal of old and damage bucket	4 days				2/5	2/10				
13		3	Replacement of bucket holder whereever needed	1 day?				2	/11 2/11				
14		8	Fixation of new bucket and bolt tightening	6 days					2/12	2/	19		
15		₽,	Bucket Elevator Alignment procedure	11 days									
16		8	leveling and aligenment of drive and tail shaft bearing housing	2 days				2/5 2/	6				
17		8	Replacement of Head and Tail shaft bearing if needed	3 days				2/7	2/11				
18		3	Replacement of head shaft sprocket segment if required	2 days					2/12 2/2	13			



					tdown Maint	Charlot Flai	•				
	_	Task	Task Name	Duration	February						
19	0	Mode	Inspection and adjustment of chain elongation, replacement of chain links, pins wherever needed	3 days	1/12	1/19	1/26	2/2	2/9 2/14	2/16	2/23
20		3	Trial run and box up	1 day						2/19 2/19	
21	~	3	K301 Replacement of Preheater/Id Fan Dampper and Bearing Inspection	19 days			-			-	
22	<b>~</b>	To Control of the Con	I.D Fan Bearing inspection and Maintenance	19 days			-				
23	<b>~</b>		Isolation and work permit preparation	0.5 days		1/2	100% 7 1/27				
24	~	₽,	Bearing clearance inspection	2 days			1/29 1 100%	/27			
25	~	3	inspection and Replacement of bearing if needed	3 days				2/3			
26	~	\$	inspection fan bearing housing and imppler	3 days				2/3	/6		
27	<b>~</b>	3	Inspection and Adjustment of cone	2 days				2/6	2/10		





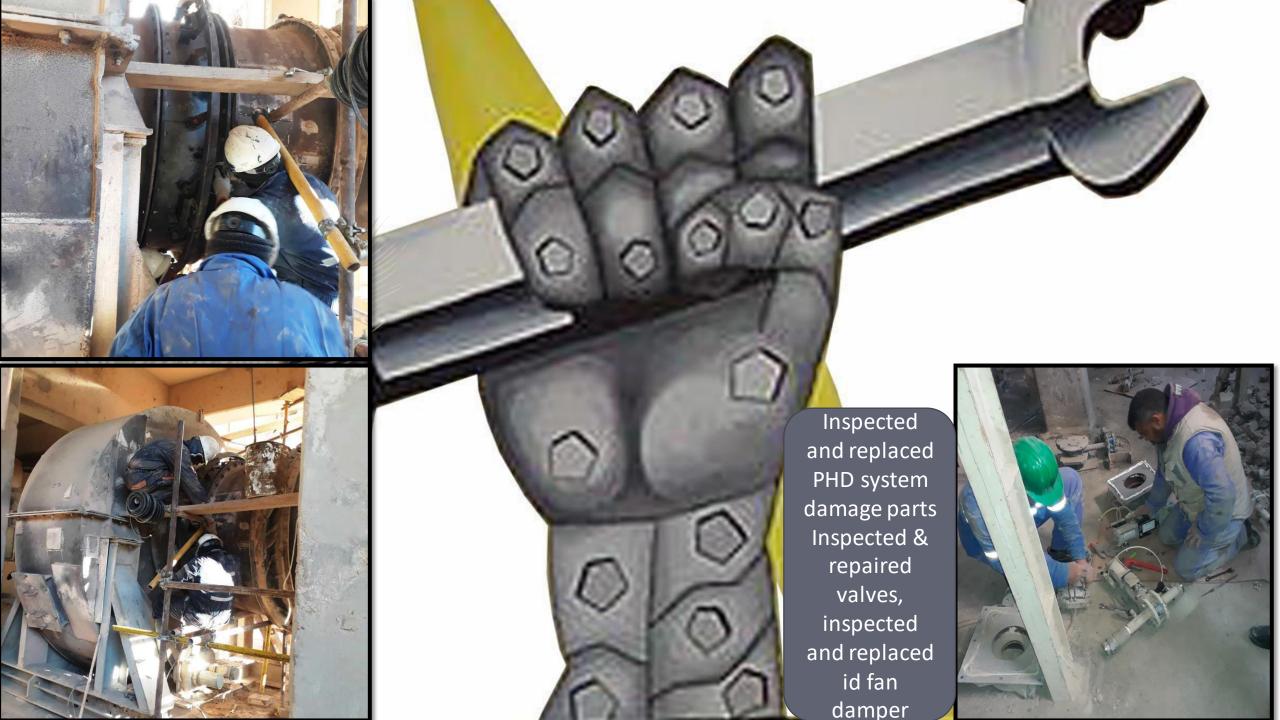


			Be	nghazi 2 Shu	tdown Maint	enance Pla	n						
)		Task Mode		Duration	February								
arraba conser 11	0				1/12	1/19	1/26	2/2	2/9	2/16	2/23		
38	~	3	Inspection & repairing oHanger /central bearing &bolts	3 days		1/2	100%	9					
39	<b>V</b>	3	Inspection & repairing of screw flights	3 days			1/30	2/3					
40	~	3	inspection and Replacement of gland seal in drive and tail shaft	2 days				2/4 2/5					
41	<b>~</b>	-	inspection and replacement of drive and tail bearing if needed	3 days				2/6	2/10				
42	<b>~</b>	3	Trial run and box up	1 day				2	100% 2/11 <b>2</b> /11				
43		<b>3</b>	D210 Bucket Elevator Maintenance Work	11 days			-		-				
44	~	3	Preparation of Power isolation and work permit	1 day		1/2	100% 7 = 1/27						
45	~	3	Equipment cleaning and lifting tools & tackles arrangements	1 day		1	100% /28 1/28						
46	~	3	Inspection of the top and lower bearings & change the grease	2 days			1/29 100%	/30					
47	<b>~</b>	3	Inspection & repair chain and sprockets	2 days			1/31	2/3					



)	0	Task Mode	Task Name	Duration	February							
					1/12	1/19	1/26	2/2	2/9	2/16	2/23	
48		3	Inspection & Change the damaged buckets	3 days				2/4 50%	6			
49		<b>R</b>	Repair the casing of the bucket elevator	2 days				2/7	0% 2/10			
50		2	K318 Bucket Elevator Maintenance Work	10 days			-	-				
51	<b>~</b>	₽	Inspection of the top and lower bearings & change the grease	2 days		1/2	100% 71/2	28				
52	<b>~</b>	₽	Inspection & repair chain and sprockets	2 days			1/29	1/30				
53		<b>-</b>	Inspection & Change the damaged buckets	3 days			1/31	75%				
54		3	Inspection & repair wheels Repair the casing of the bucket elevator	3 days				2/5	2/7			



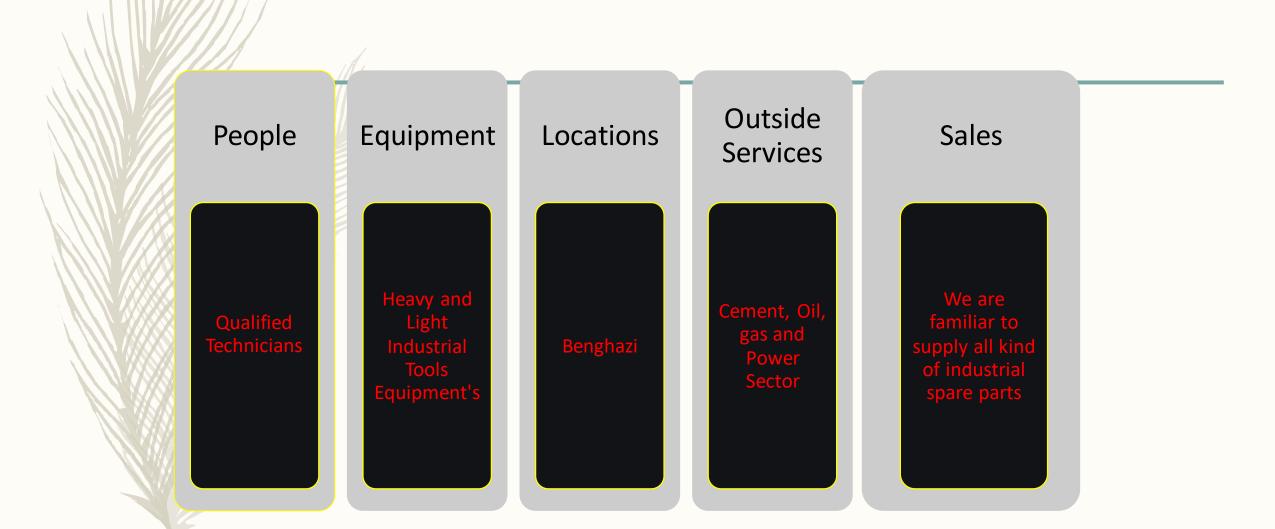


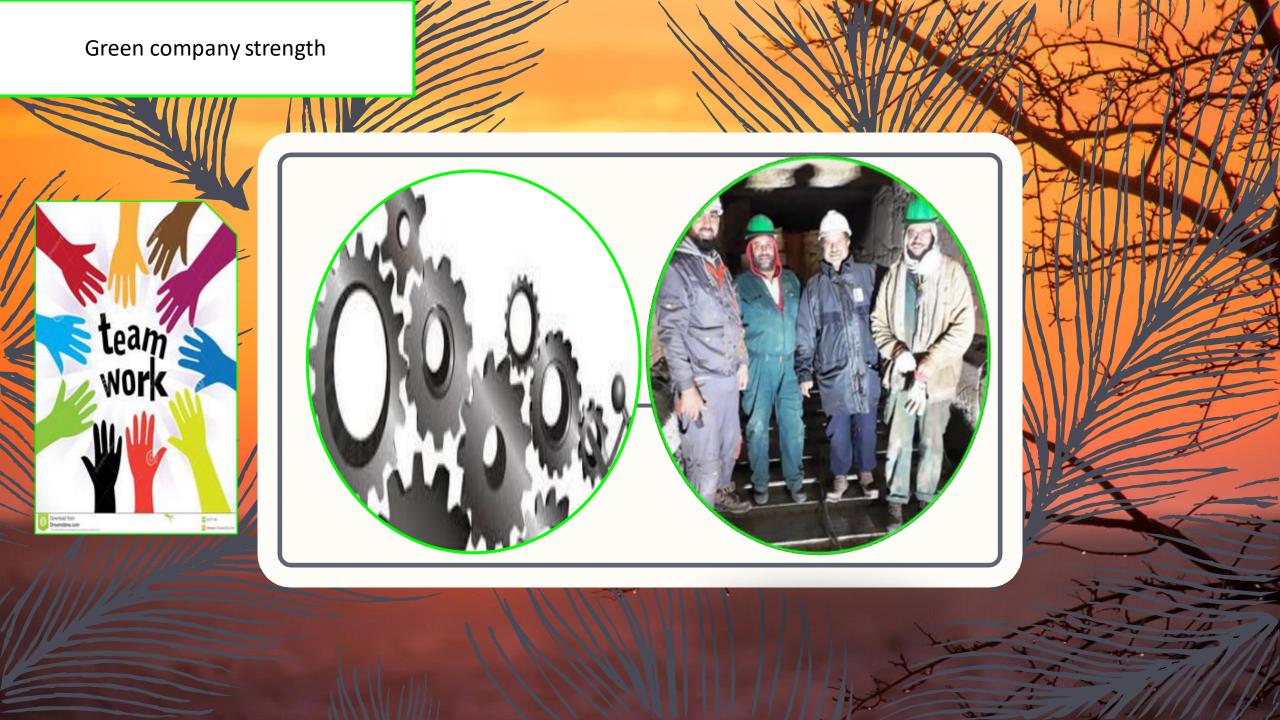


Repaired
elevator casing
according to
thickness
measurements
and leaking of
material.



## Green Company Resources





### Project Team Roles and Responsibilities



# Green Company Success Factors

- Satisfied clients
- Met project objectives
- Completed within budget
- Delivered on time

Thanks

Presented By

Omar Al Hassi

Chairman of Board

