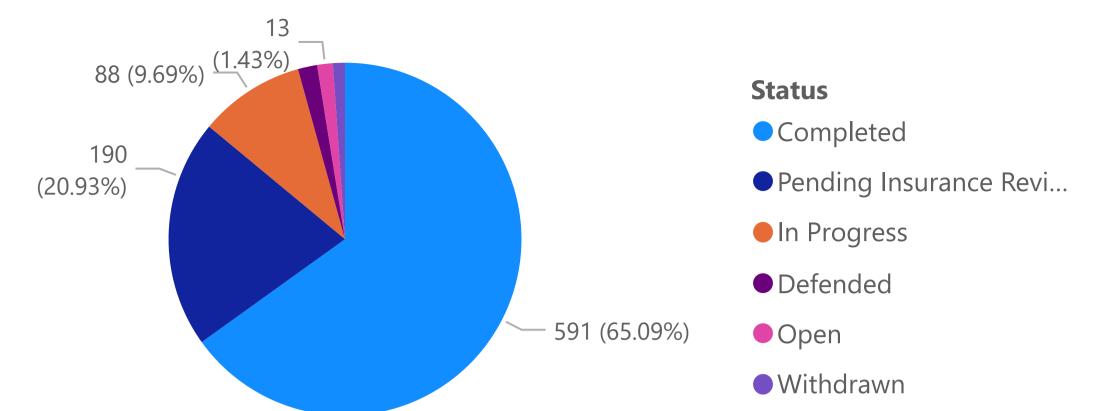
Regions and Sites in the Report



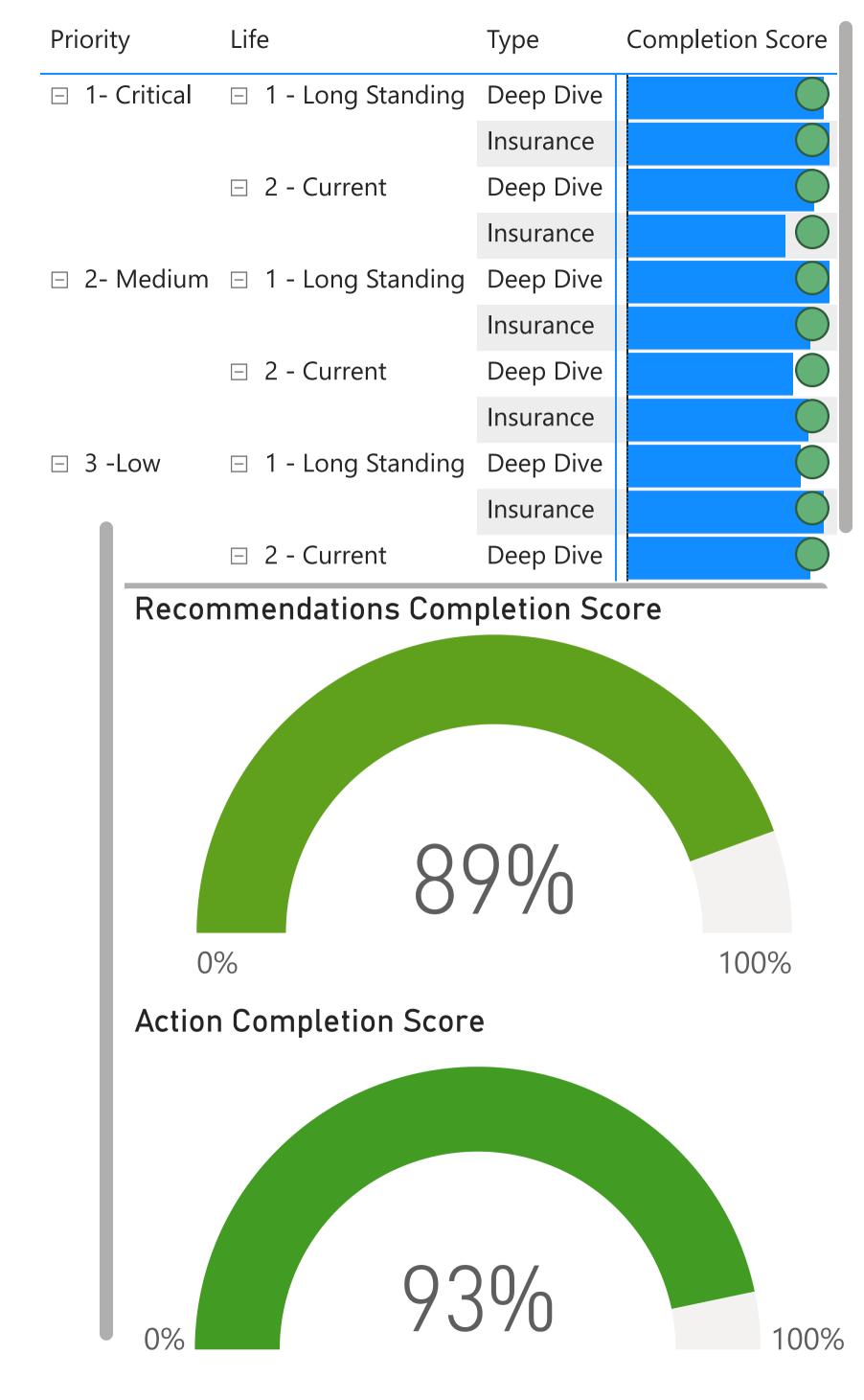
Recommendations by Status



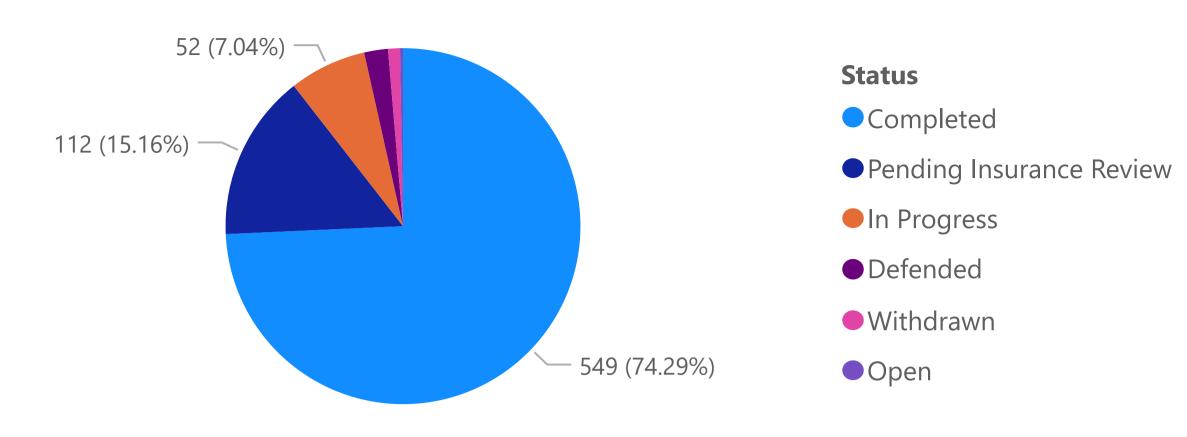
Summary Dashboard

Region	O&M	PC	Total
Africa	96%	65%	89%
Gulf	90%	98%	90%
MEA	95%	97%	96%
Red Sea	96%	85%	95%
Total	95%	86%	93%

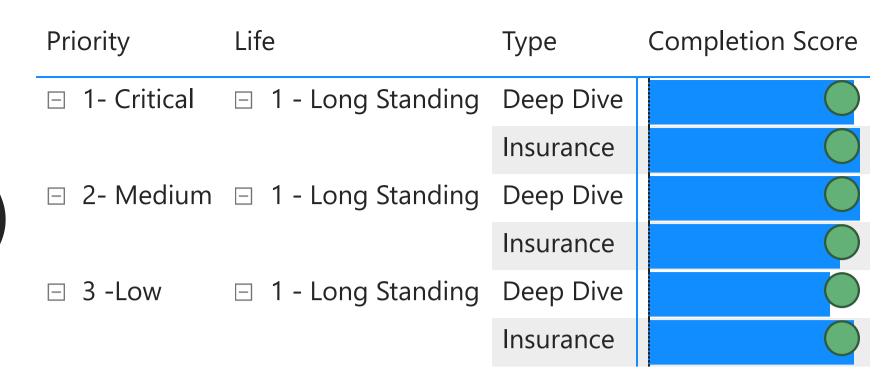
Priority	Life	Туре	Completed	Defended	In Progress	Open	Pending Insurance Review	Withdrawn	Total
1- Critical	1 - Long Standing	Deep Dive	3		1		1		5
		Insurance	261	7	3		23	4	298
		Total	264	7	4		24	4	303
	2 - Current	Deep Dive	5		2		4	1	12
		Insurance	2		6	1	8		17
		Total	7		8	1	12	1	29
	Total		271	7	12	1	36	5	332
2- Medium	1 - Long Standing	Deep Dive	12		1		3	1	17
		Insurance	165	5	38	1	49	2	260
		Total	177	5	39	1	52	3	277
	2 - Current	Deep Dive	8		10	3	17		38
		Insurance	13		12	4	35	1	65
		Total	21		22	7	52	1	103
	Total		198	5	61	8	104	4	380
3 -Low	1 - Long Standing	Deep Dive	6		3		1		10
		Insurance	102	4	6	1	35	1	149
		Total	108	4	9	1	36	1	159
	2 - Current	Deep Dive	12		4	1	4		21
		Insurance	2		2	2	10		16
		Total	14		6	3	14		37
	Total		122	4	15	4	50	1	196



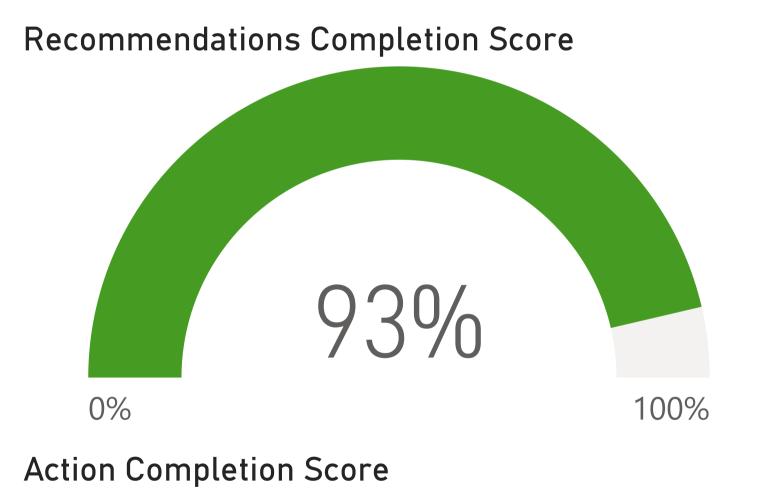
Recommendations by Status

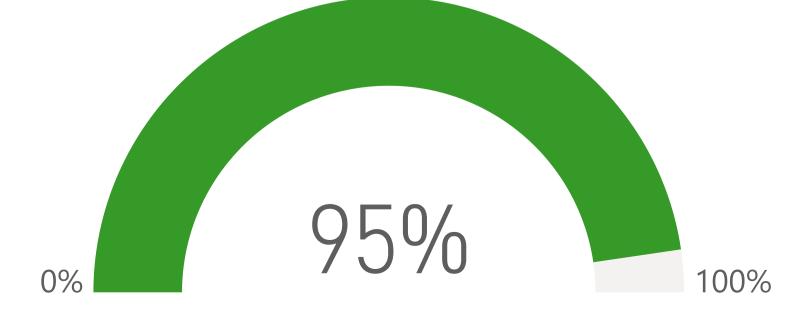


Summary Dashboard (Long Standing)

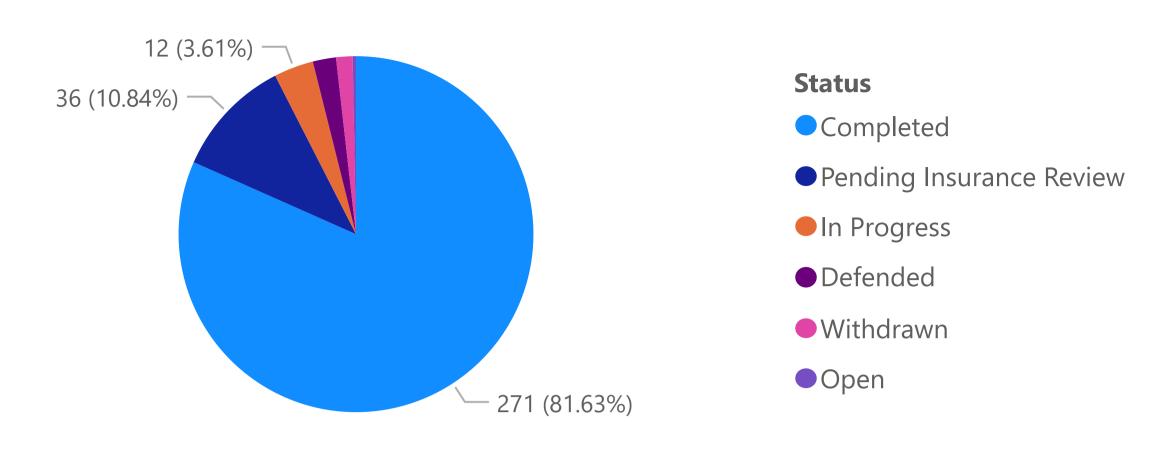


Priority	Life	Туре	Completed	Defended	In Progress	Open	Pending Insurance Review	Withdrawn	Total
□ 1- Critical	∃ 1 - Long Standing	Deep Dive	3		1		1		5
		Insurance	261	7	3		23	4	298
		Total	264	7	4		24	4	303
	Total		264	7	4		24	4	303
□ 2- Medium	□ 1 - Long Standing	Deep Dive	12		1		3	1	17
		Insurance	165	5	38	1	49	2	260
		Total	177	5	39	1	52	3	277
	Total		177	5	39	1	52	3	277
□ 3 -Low	☐ 1 - Long Standing	Deep Dive	6		3		1		10
		Insurance	102	4	6	1	35	1	149
		Total	108	4	9	1	36	1	159
	Total		108	4	9	1	36	1	159
Total			549	16	52	2	112	8	739





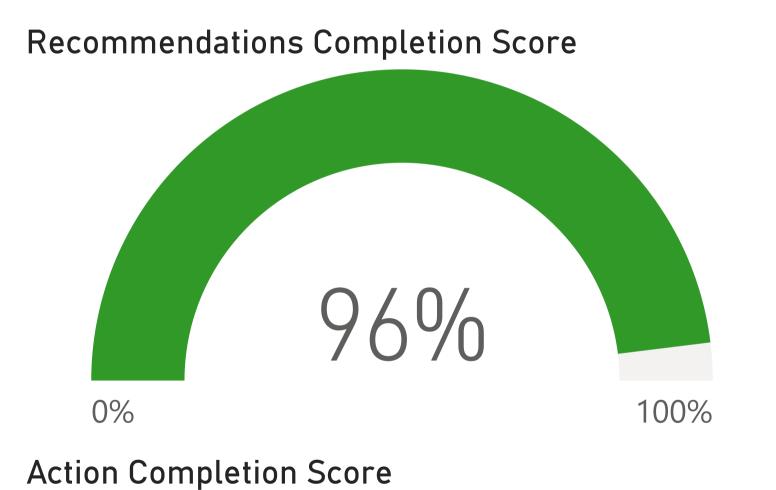
Recommendations by Status



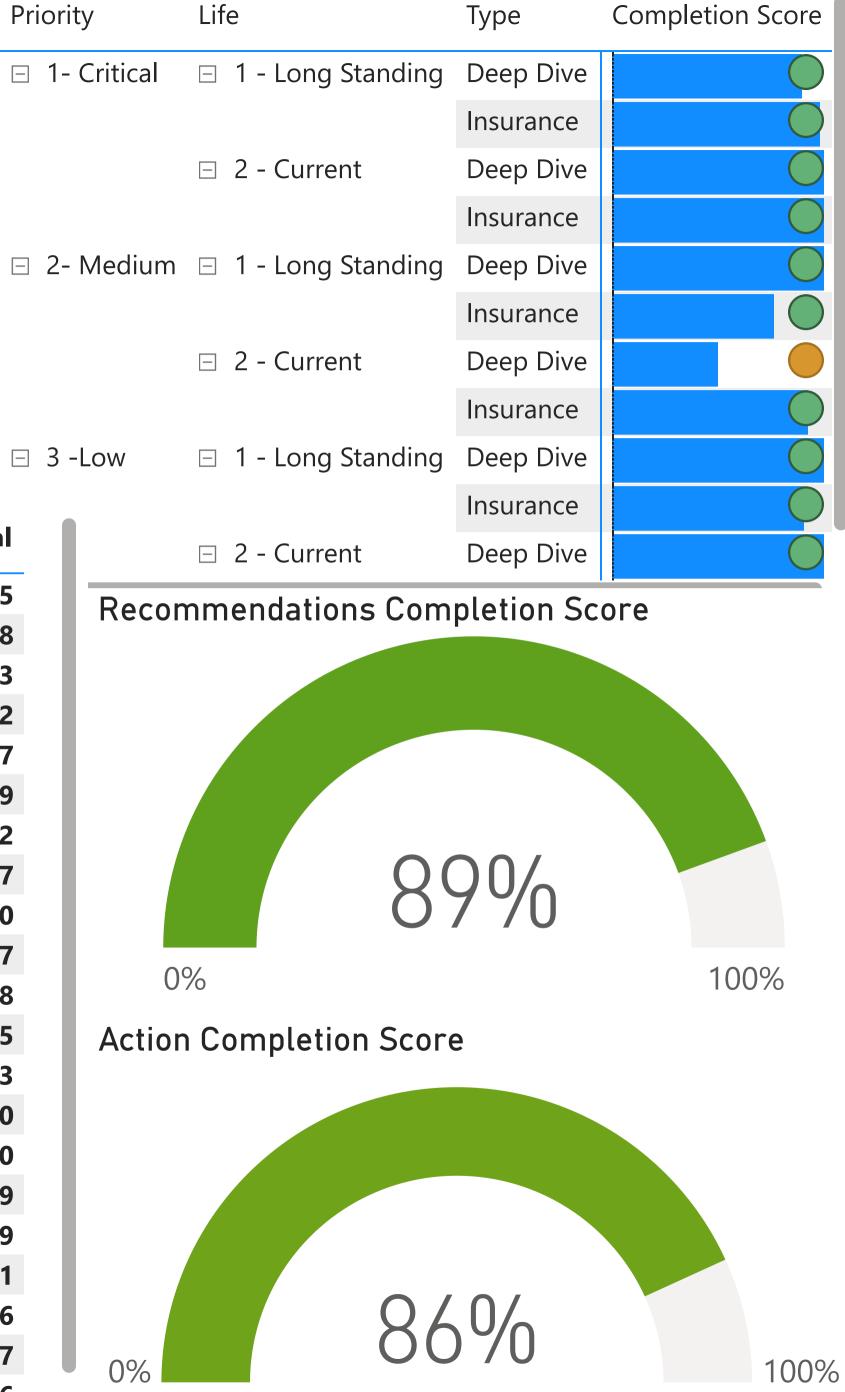
Summary Dashboard (Critical)

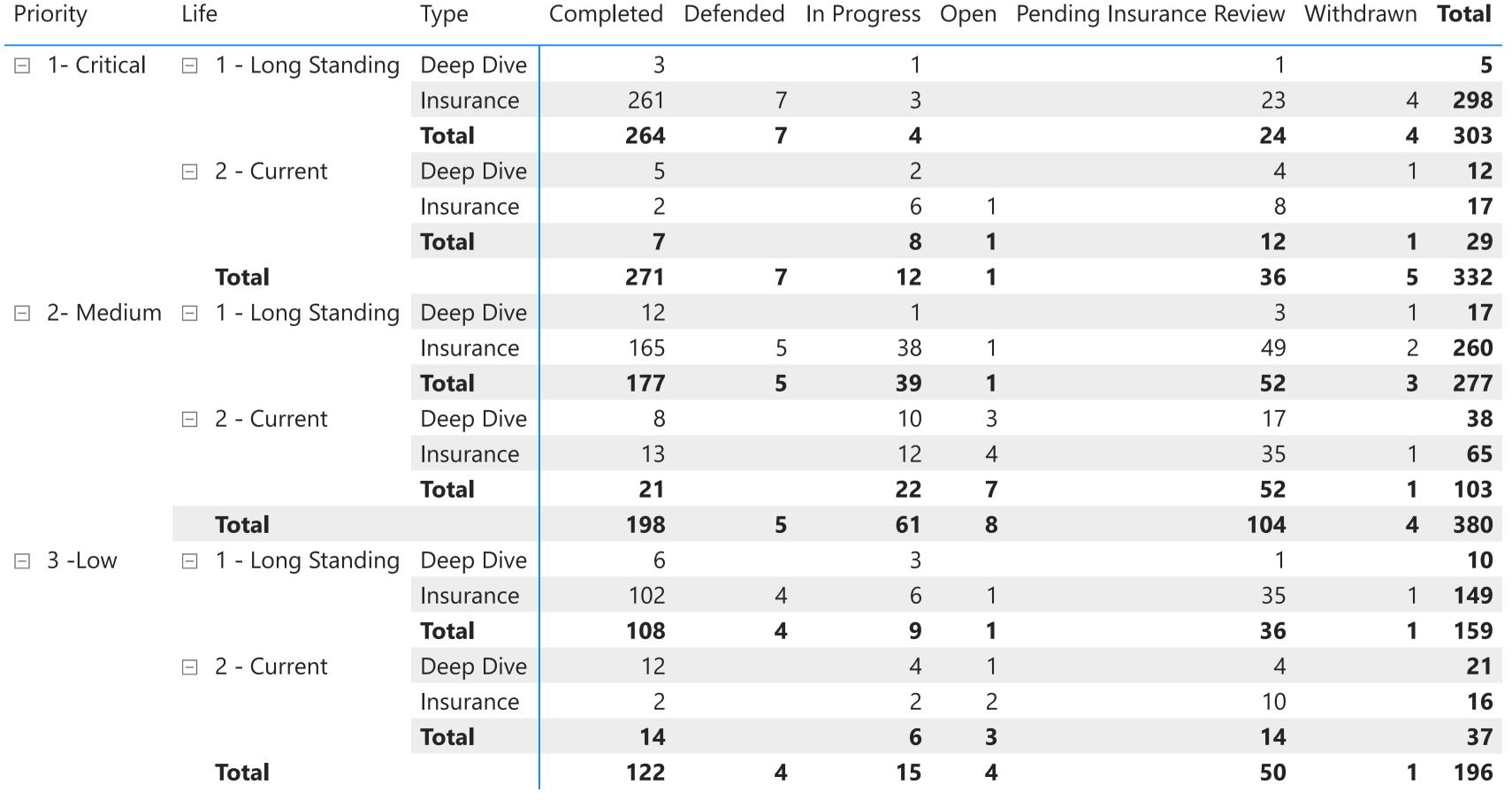
Priority	Life	Туре	Completion Score
□ 1- Critical	□ 1 - Long Standing	Deep Dive	
		Insurance	
	□ 2 - Current	Deep Dive	
		Insurance	

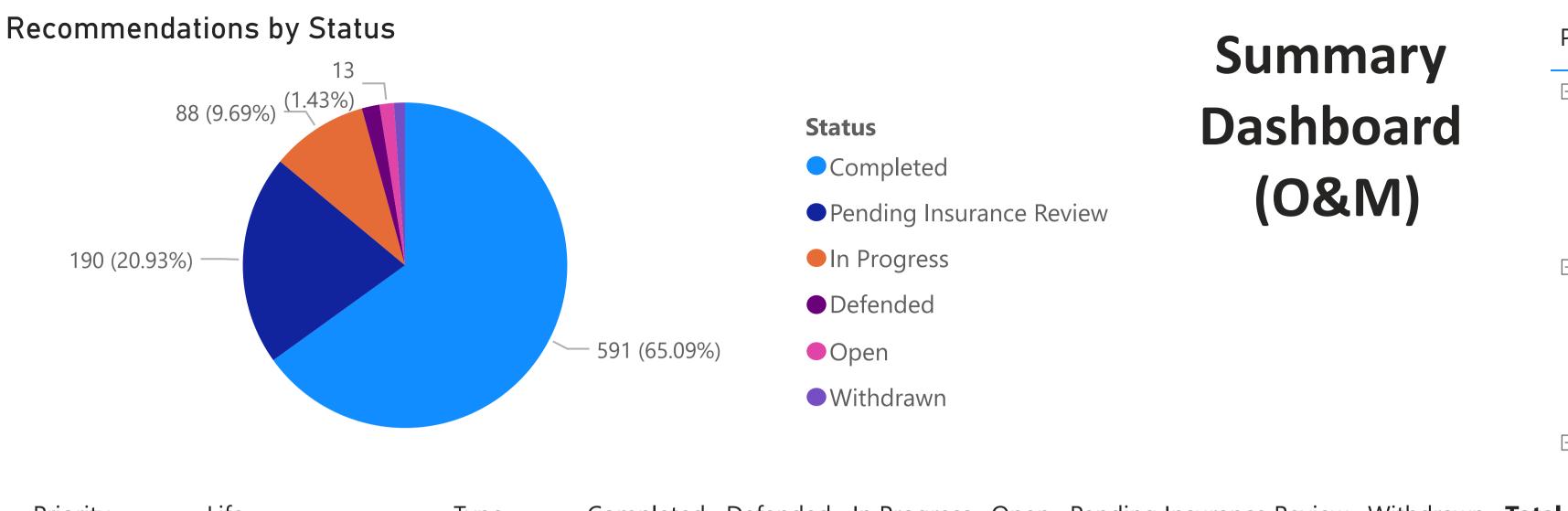
Priority	Life	Туре	Completed	Defended	In Progress	Open	Pending Insurance Review	Withdrawn	Total
☐ 1- Critical	☐ 1 - Long Standing	Deep Dive	3		1		1		5
		Insurance	261	7	3		23	4	298
		Total	264	7	4		24	4	303
	□ 2 - Current	Deep Dive	5		2		4	1	12
		Insurance	2		6	1	8		17
		Total	7		8	1	12	1	29
	Total		271	7	12	1	36	5	332
Total			271	7	12	1	36	5	332

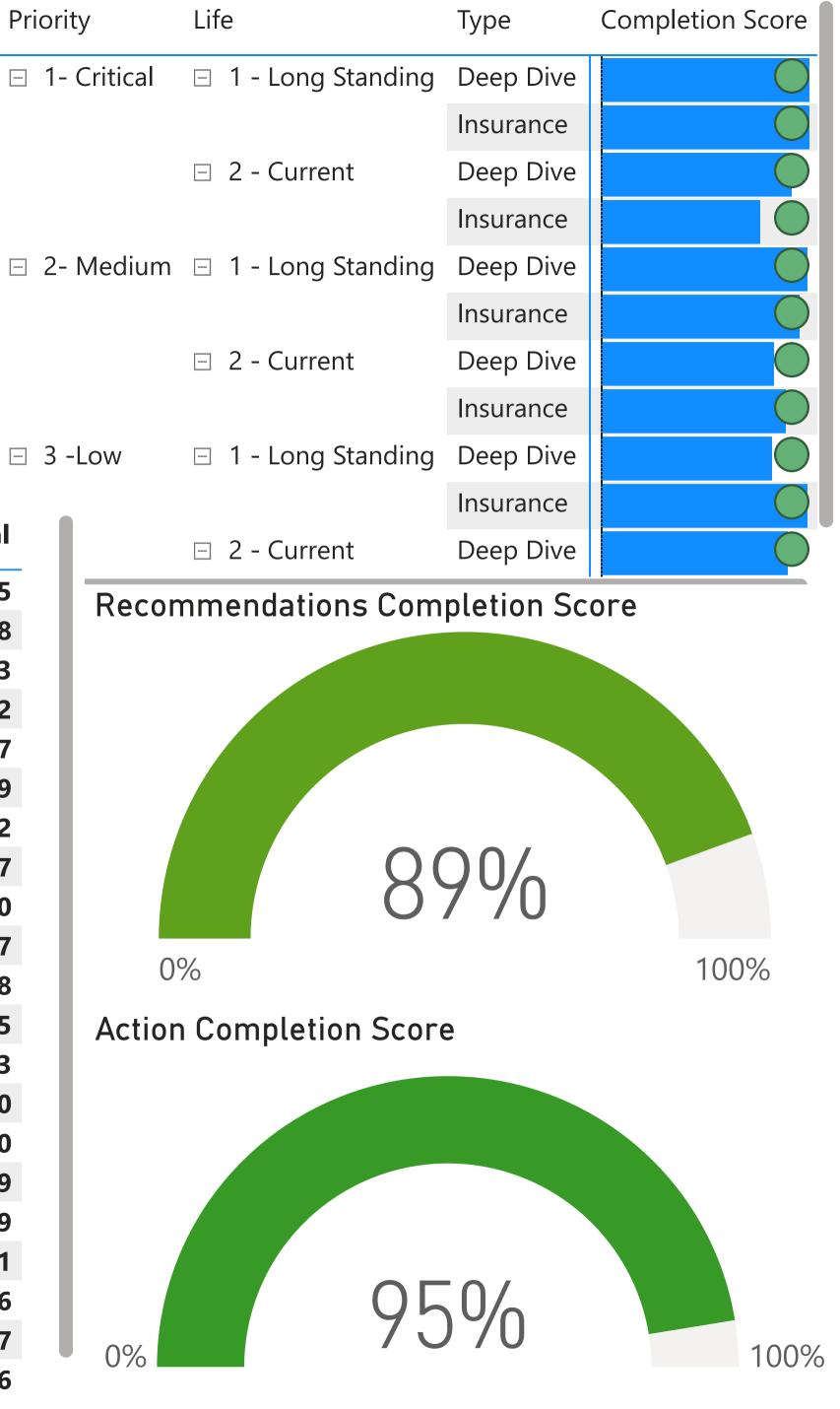


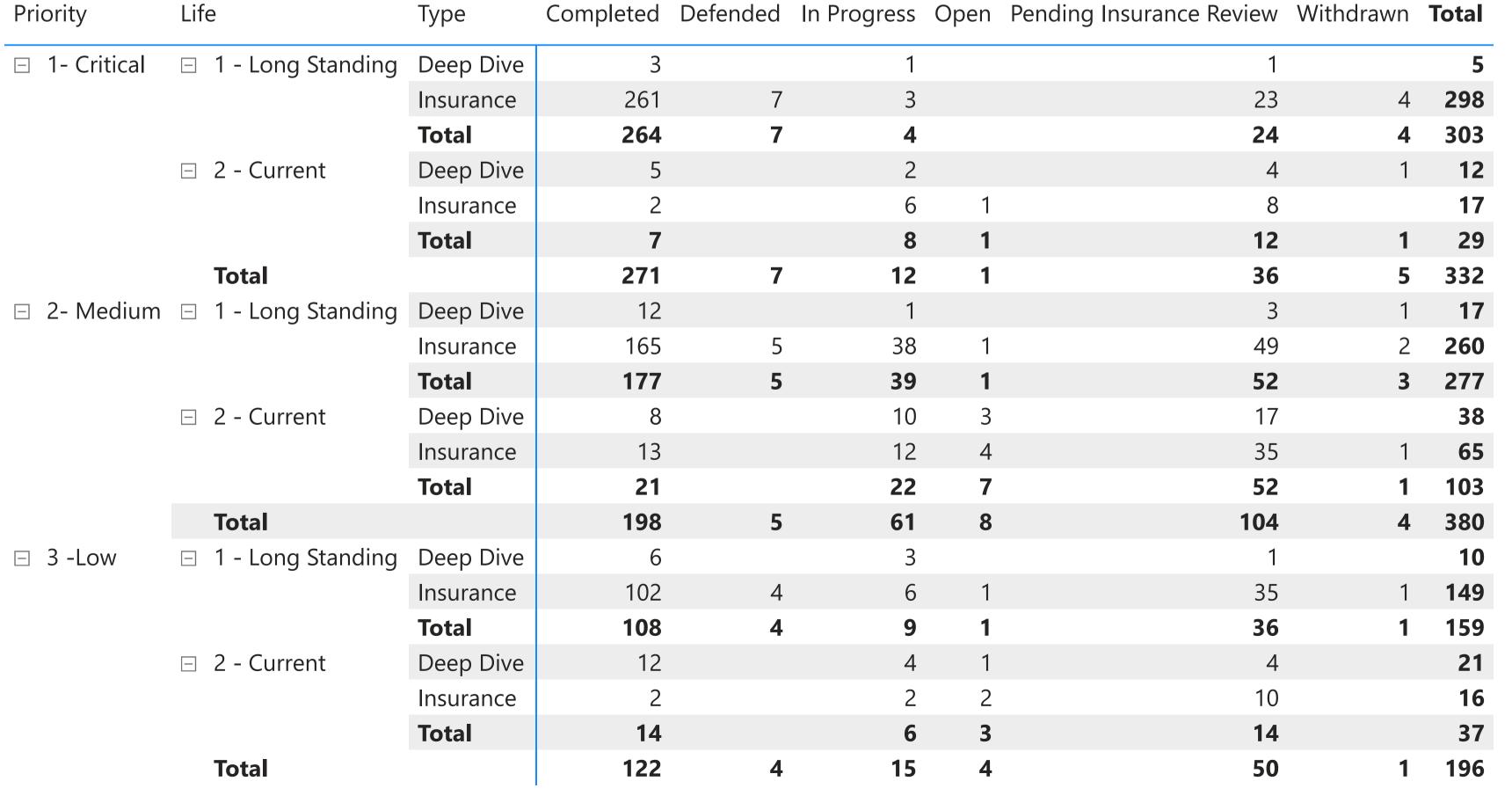
Recommendations by Status Status Completed Pending Insurance Review In Progress Defended Open Withdrawn

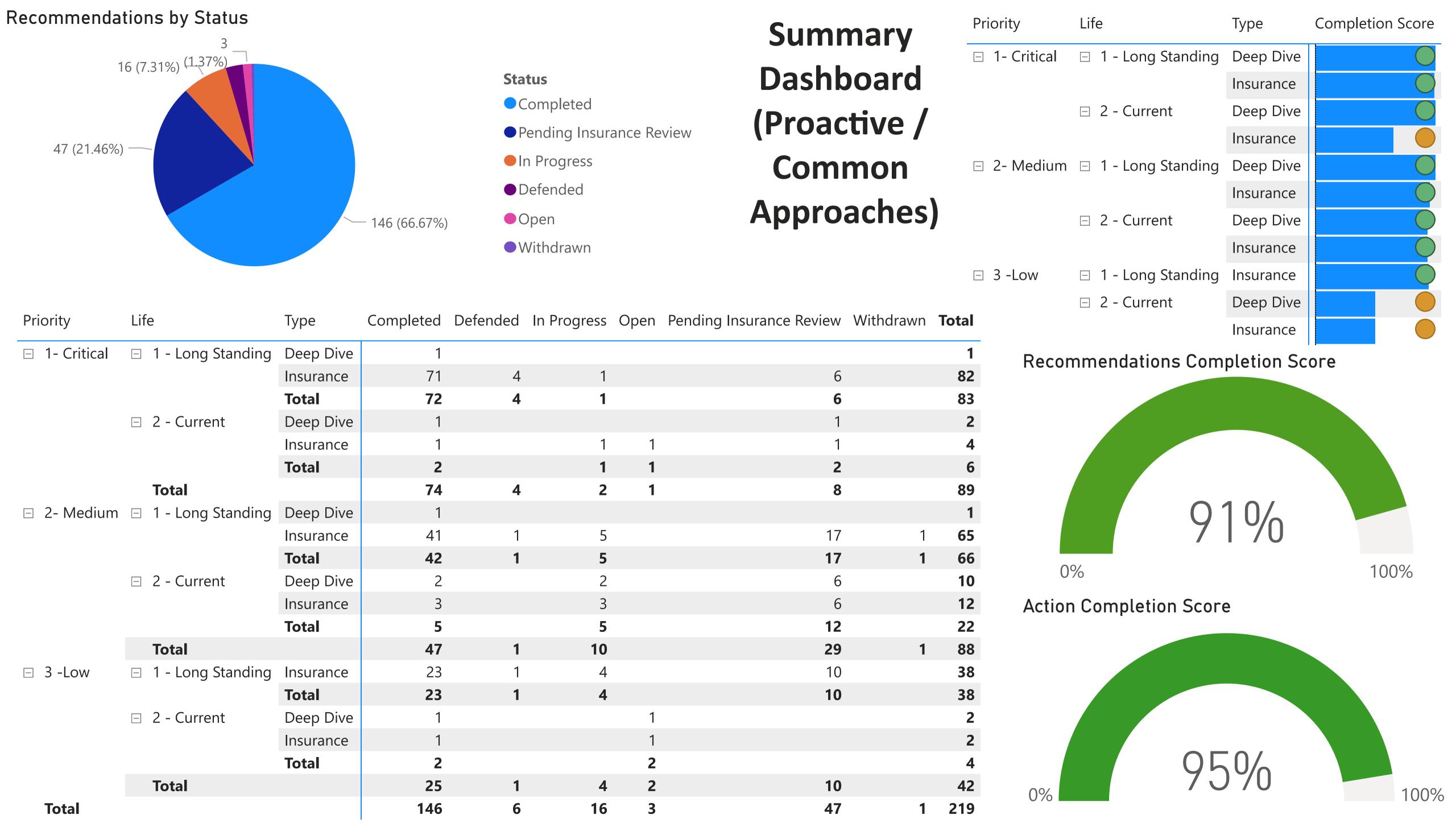












Status (Numbers) - Africa

Region	Status (groups)	Туре	Life	Priority	Benban	Bokpoort	Khalladi	Noor 1	Noor 2	Noor 3	Noor PV 1	Total
☐ Africa	□ Completed	□ Insurance	☐ 1 - Long Standing	1- Critical	5	6		1		2		14
				2- Medium		32	3	18	20	17	5	95
				3 -Low	1	33		4	3	1		42
				Total	6	71	3	23	23	20	5	151
			□ 2 - Current	1- Critical		2			1			3
				2- Medium		5			2			7
				3 -Low		2						2
				Total		9			3			12
			Total		6	80	3	23	26	20	5	163
		Total			6	80	3	23	26	20	5	163
	□ Open / In Progress	□ Insurance	□ 1 - Long Standing	2- Medium		5	2	2	6	11	5	31
				3 -Low		1		1				2
				Total		6	2	3	6	11	5	33
			□ 2 - Current	2- Medium		1						1
				Total		1						1
			Total			7	2	3	6	11	5	34
		Total				7	2	3	6	11	5	34
	Total				6	87	5	26	32	31	10	197
Total					6	87	5	26	32	31	10	197

RAG Summary - Africa (excluding Morocco)

Region	Site	Insurance-Summary	Туре	Life	1- Critical	2- Medium 3	3 -Low	Total
□ Africa	□ Benban	<pre>< <div class="ExternalClass6291D9324A4E48B9B5269E783381FA50"> <div></div></div></pre>	□ Insurance Total	1 - Long Standing				
		Total						
	□ Bokpoort	<div class="ExternalClassE95D82D18BB04D93805D0E27345610D6"> < div > < div style="font-family:Calibri, Arial, Helvetica, sans-serif;font-</div>	□ Insurance	1 - Long Standing2 - Current				
		size:11pt;color:rgb(0, 0, 0);"> style="margin:0in;font-size:11pt;font-family:Calibri, sansserif;"> style="margin:0in;font-size:10.0pt;"> <sb 2023<="" april="" b="" expected="" survey:="">203<p< td=""><td>Total</td><td>z - Current</td><td></td><td></td><td></td><td></td></p<></sb>	Total	z - Current				

RAG Summary - Africa (Morocco)

Region	Site	Insurance-Summary	Туре	Life	1- Critical	2- Mediun	n 3-Low	Total	
□ Africa	□ Khalladi	<pre> <div class="ExternalClass2C5206CFEDF845CEB156E005DFBAEADF"> < div style="font-family:Calibri, Arial, Helvetica, sans-serif;font- size:11pt;color:rgb(0, 0, 0);"> < span style="color:black;"></div></pre>	□ Insurance Total	1 - Long Standing					
		Total							
	□ Noor 1	<div class="ExternalClass2578BB98E3BC4D2486B32D7D9A9DA707"> <div style="font-family:Calibri, Arial, Helvetica, sans-serif;font-size:11pt;color:rgb(0, 0, 0);"> Expected Survey: May 2023 </div> REC # 17/06/04 (N1) - Extension of automatic fire protection - Scheduled for Feb 2023 REC # 17/06/07 - Emergency contingency plan - Approved & Samp; Budget Agreed <</div>	Total	1 - Long Standing					

Open / In Progress - Africa - Critical

Region Site Type Recommendation Responsibility Action Status Evidence RAG

Region	Site	Туре	Recommendation	Responsibility	Action	Status	Evidence	RAG
□ Africa	□ Bokpoort	□ Insurance	☐ REC # 17/02/01 - SUPERVISION OF RAW WATER SUPPLY	□ PC	Execute Electrification of both the River and Halfway	□ Completed	Yes	
					□ Execute the Project	☐ In Progress	No	
					☐ Share the Project Plan	□ Completed	Yes	
			□ REC # 17/02/03 - Testing Gaseous Flooding System	□ PC	□ Execute the Sealing via Repairs	☐ In Progress	No	
					 Finalize the Decision on Contracotr Findings and Execute Recommendations 	☐ In Progress	No	
					 Perform Fan Door Test to ensure Repairs are Effective 	☐ In Progress	No	
			□ REC # 17/02/05 - Fire Protection on Cable Rooms	□ PC	☐ Extend Fire Protection to Cable Rooms (Sprinklers	☐ In Progress	No	
			□ REC # 17/02/20 - Online Monitoring Systems	□ 0&M	☐ Ensure DGA PMs are being Conducted Effectively	☐ Completed	Yes	
				□ PC	 Defend the Cost Benefit of not Installing Online DGA as per existing PM Plans 	□ Open	Yes	
			☐ REC #17/11/05 - FOAM MONITOR	□ PC	☐ Finalize the Mobile Foam Units Installation	☐ In Progress	Yes	

Region	Site	Type	Recommendation	Responsibility	Action	Status	Evidence	RAG
□ Africa	□ Khalladi	□ Insurance	□ RIR # 2020/01/01 (K) - Emergency diesel generator	□ O&M	Clear Instructions for the EDG Operation / Tank Levels / Testing	□ Completed	Yes	
				⊟ PC	☐ Approve Installation of EDG Room	□ Completed	Yes	
					□ EDG should be protected by Sprinklers	□ Open	No	
			□ RIR # 2020/01/05 - DC battery room	□ PC	Explosion Proof Equipment to be Provided in Battery Room	□ Open	No	
					☐ Provide Approval for Ex Proof Equipment	□ Completed	Yes	
	□ Noor 1	□ Insurance	□ REC # 17/06/04 (N1) - Extension of automatic fire	□ 0&M	□ Execute as Decided (Action 1092)	☐ In Progress	Yes	
			protection		☐ Provide Thermal Detection Quotation for PC	□ Completed	Yes	
				□ PC	☐ To share quotation with PC	□ Completed	Yes	
			☐ REC # 17/06/07 - Emergency contingency plan	□ 0&M	□ Prepare a Critical Spares List	□ Completed	Yes	
					□ Procure the spares as per the list	☐ In Progress	No	
				□ PC	PC to provide decision on procurement of Critical Spares	□ Completed	Yes	
					□ Procure a spare Aux Transformer	□ Completed	Yes	

Region	Site	Туре	Recommendation	Responsibility	Action	Status	Evidence	RAG		
□ Africa	□ Noor 2	□ Insurance	□ REC # 17/06/01 (N2) - LOCATION OF WATER DELUGE VALVE	⊟ PC	☐ Review water deluge valve distance from the auxiliary transformer.	□ In Progress	No			
			□ REC # 17/06/03 - CONTINGENCY PLAN FOR CRITICAL EQUIPMENT	□ O&M	 Develop Contingency Plan for critical equipment like GSU transformer 	□ Completed	No			
			☐ REC # 18/02/05 - INTEGRITY TEST FOR GAS FLOODING	□ 0&M	□ Perform integrity test (fan door etc)	☐ In Progress	No			
			SYSTEMS		 Support in providing a Company Contact which can perfrom the Test in Morroco 	□ Completed	No			
			☐ REC # 18/02/10 - Fire Protection Systems	□ PC	□ Provide fire detection in the raised floors (cables) in UPS room / Engineering Room / Control Room	☐ In Progress	No			
			□ REC # 19/10/01 - Extension of Fire Detection	□ 0&M	 Decide on extension of fire detection installation to - Lube Oil Pits of FWPs 	☐ In Progress	No			
					Decide on extension of fire detection installation to - Warehouse	□ In Progress	No			
					Decide on extension of fire detection installation to - Workshop	□ In Progress	No			
						□ PC	 Install markings on floors where Fire Detectors are Installed 	□ Completed	Yes	
					□ Provide Change order for O&M Execution	□ Completed	Yes			
			☐ RIR # 16/01/06 - CRITICAL SPARE PARTS	□ PC	☐ Initiate Procurement	☐ In Progress	No			
					□ PC to Agree to Provided List	□ Completed	No			
	□ Noor 3	□ Insurance	 □ REC # 18/02/03 - Fire protection on electrical rooms (solar tower) 	□ PC	☐ Provide automatic gas flooding protection system on the electrical room within Tower Receiver	☐ In Progress	No			
					 Relocate the manual push bottoms of the gas flooding system out of the DCS room within Tower Receiver. 	□ In Progress	No			
					 Seal the opening between DCS room and electrical room within Tower Receiver (with a fire rated material). 	□ Completed	No			
			□ REC # 17/06/03 (N3) - Contingency Planning for Critical	□ 0&M	□ Action Plan to be Prepared	☐ In Progress	No			
			Equipment		☐ Provide Guidance to Site for Continuity Plan	□ Completed	Yes			
			□ REC # 18/02/04 (N3) - Fire stops application	□ PC	☐ Confirm if fire stops will be provided along the cable trave inside the Tower Receiver	□ In Progress	No			

Region	Site	Туре	Recommendation	Responsibility	Action	Status	Evidence	RAG				
□ Africa	□ Noor PV 1	□ Insurance	□ REC - 2020/1/2 (NPV) - Fire Protection Systems - Fire Stops	□ O&M	 Identify and Confirm all cables seals are tested or approved. 	□ Completed	No					
				□ PC	□ Improve fire stops application in cables opening through floors and walls (Ref. NFPA 850)	□ Completed	Yes					
			□ REC - 2020/1/3 (NPV) - Automatic Fire Protection Systems Electrical Rooms	□ 0&M	To review the options to install automatic Fire suppression system in switchgear room to safeguard the critical equipment of the plant.	□ Completed	No					
			□ REC - 2020/1/4 - DC Battery Room	□ 0&M	☐ Evaluate design for : no H2 detector	□ Completed	Yes					
					Evaluate design for : only one ventilation fan and is manual activated	□ Completed	Yes					
					☐ Install H2 Detectors as Agreed	☐ In Progress	No					
			□ REC - 2020/1/5 - Dielectric Oil Sampling and DGA Online Monitoring	□ 0&M	 Evaluate the installation of DGA on line monitoring system on main transformer 	□ Completed	No					
									 Extend the scope of the analysis including furan compounds (in all analysis) and corrosive sulphurs (only in the next analysis) 	□ Completed	No	
						□ Reduce the frequency of the sampling to 6- months during the second operational year.	□ Completed	No				
			□ REC - 2020/1/8 - Off load Tap Changer in MV Transformers	□ O&M	☐ Install warning for no actuation of off-load tap changer under load and padlocks/ Install a lock or seal on the main transformer tap chenger handless at the location provided for this to prevent inadvertent operation.	□ In Progress	No					

Open / In Progress - Current - Africa

Region	Site	Туре	Recommendation	Responsibility •	Action	Status	Evidence	RAG
□ Africa	□ Bokpoort	□ Insurance	□ REC# 21/06/01 - HYDROCARBON ON LINE ANALYSER	□ O&M	 Repair / calibrate or replace the hydrocarbon on line analyser. 	☐ In Progress	Yes	

Common Approaches - Africa

Reference	Topic	Benban	Bokpoort	Noor 1	Noor 2	Noor 3	Total
□ EP2	Contingency Planning for Major Spares						
□ EP4	ERP - Standard Template, Reviews and Exercises						
□ FP1	Fire Pump Testing						
□ FP12	Fire System Impairment Procedure						
□ FP15	Flange Guards on Lube Oil Piping Flanges						
□ FP16	Fire Door Control and Maintenance						
□ FP3	Testing of Fire System Foam Concentrate						
□ FP9	Passive fire protection						
□ M2	Pipe Hanger Inspection and Testing Procedures						
□ M4	Transformer Oil Analysis						
□ M7	Lube and Hydraulic Oil Analysis - Frequency						
□ PSS1	Overspeed Testing by Simulation & Physical (GT, ST & BFPT)						
□ RX1	Emergency Diesel Generator Load Tests						
□ RX18	Fire Detection in Warehouse - Capital Spares						
Total							

Status (Numbers) - Gulf

Region	Status (groups)	Life	Priority	Al Dur 2	Jubail 3A	QIPP	Sakaka	Total			
□ Gulf	□ Completed	□ 1 - Long Standing	1- Critical	1		41		42			
			2- Medium	2		7	6	15			
			3 -Low			1	3	4			
			Total	3		49	9	61			
		□ 2 - Current	1- Critical	1		2		3			
			2- Medium	3	4	3		10			
			3 -Low			1		1			
			Total	4	4	6		6 15 3 4 9 61 3			
		Total		7	4	55	9	75			
	□ Open / In Progress	☐ 1 - Long Standing	2- Medium			1		1			
			3 -Low			2		2			
			Total			3		3			
		□ 2 - Current	1- Critical		1	2		3			
			2- Medium	2	4	3		9			
			3 -Low	2	1 2 3 3 4 3 10 1 1 1 4 4 6 14 7 4 55 9 75 1 1 1 1 2 2 2 2 3 3 3 3 2 4 3 9 2 1 3 9 2 1 3 3 4 5 6 15 4 5 9 18 11 9 64 9 93						
			Total	4	5	6		15			
		Total		4	5	9		18			
	Total			11	9	64	9	93			
Tota	I			11	9	64	9	93			



RAG Summary - Gulf

Region	Site	Insurance-Summary	Туре	Life	1- Critical	2- Medium	3 - Low	Total
□ Gulf	Gulf \Box Al Dur 2		□ Insurance	1 - Long Standing				
		family:Calibri, Arial, Helvetica, sans-serif;font-size:11pt;color:rgb(0, 0, 0);"> The tracking will be re-aligned will latest survey report.</span 		2 - Current				
		<pre>Key Progress & Ramp; Next Steps style="margin:0in;font-size:11pt;font-family:Calibri, sans-serif;">- Procedure to be finalized for Abnormal Scenarios. (Q2 2023) - DCS Backup verification with Emerson. (Q2 2023) < span style="margin:0in;font-size:11pt;font-family:Calibri, sans-serif;">< span style="font-size:10.0pt;color:black;">- Arc Flash Study Execution (Q2 2023 (Faisal) </pre>	Total					
		Total						
	□ Jubail 3A		□ Insurance	2 - Current				
		family:Calibri, Arial, Helvetica, sans-serif;font-size:11pt;color:rgb(0, 0, 0);"> < span style="color:black;background-color:rgb(255, 255, 255);"> < / span > < span style="color:black;background-color:rgb(255, 255, 255);"> New Report Issued with 5 Recommendations. < / span > < span style="color:black;background-color:rgb(0, 255, 0);"> & #160; < / span > < span style="background-color:rgb(128, 255, 128);font-size:11pt;"> Previous Recommendations 100% Completed. < / span > < / div	Total					
		Total						
	□ QIPP	<a color:black;"="" href="figure</td><td>□ Deep Dive</td><td>1 - Long Standing2 - Current</td><td></td><td></td><td rowspan=2></td><td></td></tr><tr><td></td><td></td><td>style=">The Tracking will be re-aligned against latest survey report. <ul style="margin-bottom:0in;"><span style="font-</td><td>□ Insurance</td><td>1 - Long Standing</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>size:10pt;color:rgb(0, 0, 0);">Procedural:<ul style="margin-</td><td></td><td>2 - Current</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>bottom:0in;">Tracking Third-Party Reports Management of Change Applications Capture of Critical	Total				January Low	

Open / In Progress - Gulf - Critical

Region Site	Туре	Recommendation	Responsibility	Action	Status	Evidence	RAG		
□ Gulf □ Jubail 3A	□ Insurance	□ RIR # 2022/11/4 - Integrity Testing of FM200 protected rooms	□ O&M	 Default Action for Integrity Testing of FM200 protected rooms 	□ In Progress	No			
□ QIPP	□ Deep Dive	□ DDR#2021/10/06 - Battery Capacity Discharge Testing	□ 0&M	Perform the Battery Capacity Discharge Test (Group 1)	□ Completed	No			
				□ Perform the Battery Capacity Discharge Test (Group 3 & 5)	☐ Completed	Yes			
						□ Perform the Battery Capacity Discharge Test (Group 4, 6)	☐ In Progress	No	
	□ Insurance		□ 0&M	☐ Group - 1 - Replacement with New Batteries	□ Completed	No			
		and MOC		☐ Group - 2, 3, 5 - Replacement with New Batteries	☐ In Progress	No			
				☐ Group - 4 - Replacement with New Batteries	☐ In Progress	No			
				☐ Group - 6 - Replacement with New Batteries	□ Completed	No			
			□ PC	□ Procurement of New Batteries	□ Completed	Yes			

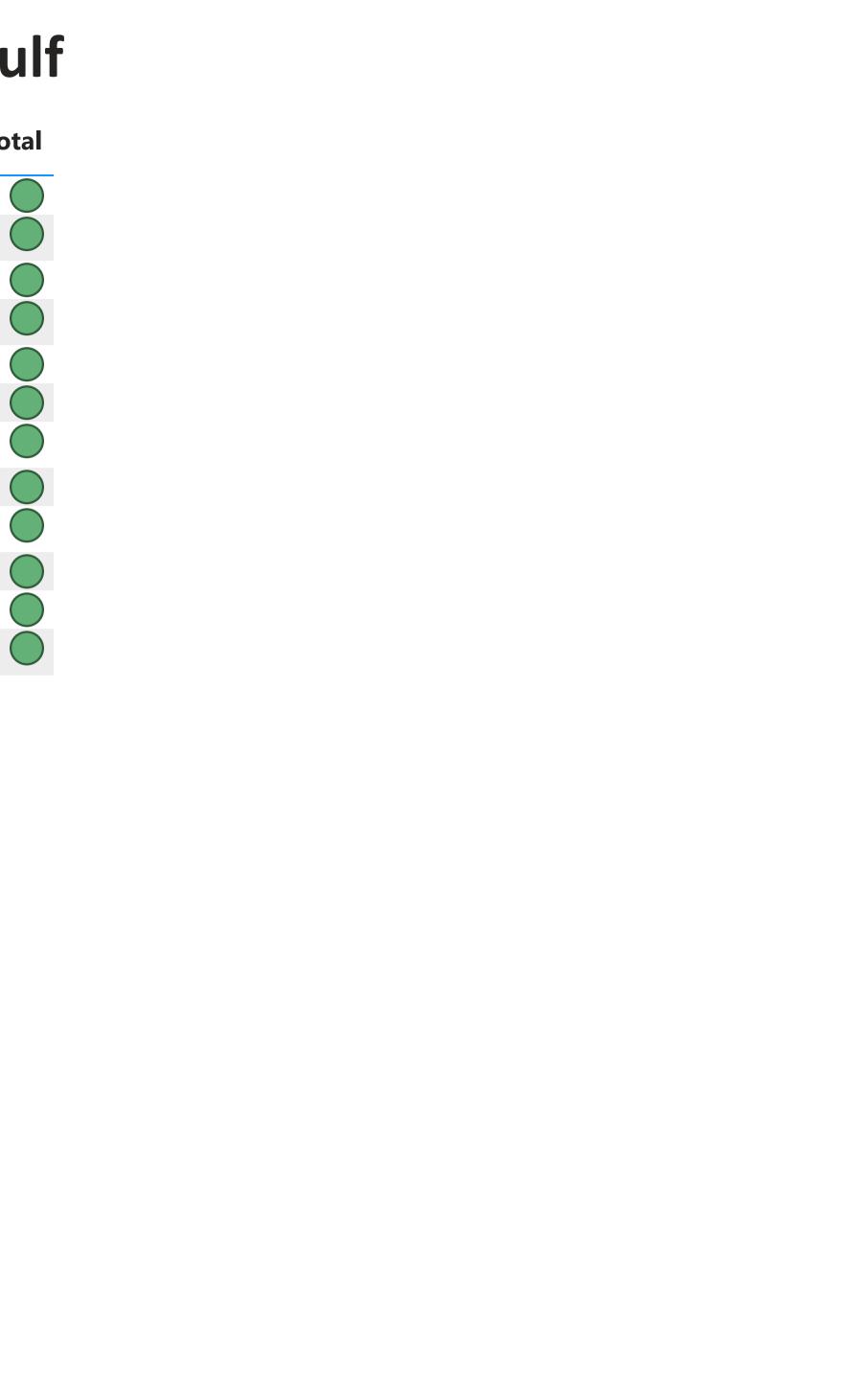
Region Site	Туре	Recommendation	Responsibility	Action	Status	Evidence	RAG
□ Gulf □ QIPP	□ Deep Dive	□ DDR # 2020/11/09 - Management of Change	□ 0&M	 Management of Change Appropriately Applied to 	□ Completed	No	
		Appropriately Applied to all Changes on Site		all Changes on Site			

Open / In Progress - Current - Gulf

Region Site	Туре	Recommendation	Responsibility	Action	Status	Evidence	RAG
□ Gulf □ Al Dur 2	□ Insurance	 □ 2021/06/04 - Abnormal scenarios in Emergency Response Procedure 	□ 0&M	Abnormal scenarios in Emergency Response Procedure	□ In Progress	Yes	
		□ 2021/06/06 - Alarm Management	□ 0&M	☐ Communicate High Priority Alarms to PC	☐ In Progress	No	
				☐ Have an Alarm Management in Place	□ Completed	Yes	
				 Raise Warranty Claims according to the ISA Standard for Alarm Management and raise relevant Observations 	□ Completed	Yes	
			□ PC	 PC to get the Warranty Claims to be Communicated and Addressed 	□ Completed	Yes	
□ Jubail 3A	□ Insurance	□ RIR # 2022/11/1 - Arc Flash Study	□ O&M	□ Default Action for Arc Flash Study	☐ In Progress	No	
		☐ RIR # 2022/11/2 - Fire Pump Performance Testing	□ 0&M	☐ Default Action for Fire Pump Performance Testing	☐ In Progress	No	
		☐ RIR # 2022/11/3 - Hydrant Flow Testing	□ 0&M	□ Default Action for Hydrant Flow Testing	☐ In Progress	No	
		☐ RIR # 2022/11/5 - HP Pump RCA & Control Measures for other HP Pumps	□ 0&M	□ Default Action for HP Pump RCA & Control Measures for other HP Pumps	☐ In Progress	No	
□ QIPP	□ Deep Dive	□ DDR#2021/10/04 - DC lube Oil Pump Performance Testing	□ 0&M	□ Group - 1 ST - Implement the DC LO Testing Regime (Annual)	□ Completed	No	
				☐ Group - 2, 3, 5 ST - Implement the DC LO Testing Regime (Annual)	☐ In Progress	No	
				□ Group - 4 ST - Implement the DC LO Testing Regime (Annual)	☐ In Progress	No	
				☐ Group - 6 ST - Implement the DC LO Testing Regime (Annual)	☐ In Progress	No	
				☐ Implement the Gas Turbine DC LO Testing Regime	☐ In Progress	No	
	□ Insurance	□ RIR 2021/10/02 - Fuel Oil Lab Analysis	□ 0&M	☐ Get the Samples and Analyze	□ Completed	No	
		□ RIR 2021/10/05 - Spare Jockey Pump and Motor	□ 0&M	☐ Complete the Procurement	☐ In Progress	No	
			□ PC	□ PC to provide Approval for Procurement	☐ Completed	Yes	

Common Approaches - Gulf

Reference	Topic	Al Dur 2	Jubail 3A	QIPP	Sakaka	Total
□ EP2	Contingency Planning for Major Spares					
□ FP1	Fire Pump Testing					
□ FP16	Fire Door Control and Maintenance					
□ M4	Transformer Oil Analysis					
□ M5	Thermographic Surveys					
□ M6	GT Air Filter Maintenance and Cleaning/Replacement Procedures	_				
□ M9	Maintaining a Register of OEM Recommendations for Equipment Modifications					
□ OP1	Management of Change Procedures					
□ OP5	Alarm Management					
□ PSS1	Overspeed Testing by Simulation & Physical (GT, ST & BFPT)					
□ PSS3	DC Lube Oil Pump Testing					
Total						



Status (Numbers) - MEA

Region	Status (groups)	Life	Priority	Barka	Hassyan	Ibri	KIPP	Salalah 2	Shuaa	Sohar 3	Taweelah	Vin Hao	Total
□ MEA	□ Completed	☐ 1 - Long Standing	1- Critical	37	3	9	6	22		8		2	87
			2- Medium	11	4	25	16	20	17	12		2	107
			3 -Low	9	3	27	3	10	3	17		1	73
			Total	57	10	61	25	52	20	37		5	267
		□ 2 - Current	1- Critical	1		3		1		4			9
			2- Medium	2		18	1	7		9			37
			3 -Low	1		5		1		7			14
			Total	4		26	1	9		20			60
		Total		61	10	87	26	61	20	57		5	327
	□ Open / In Progress	□ 1 - Long Standing	1- Critical	1		1							2
			2- Medium					2		1	4		7
			3 -Low			1				1			2
			Total	1		2		2		2	4		11
		□ 2 - Current	1- Critical			2				1			3
			2- Medium			1		1		6			8
			3 -Low			2							2
			Total			5		1		7			13
		Total		1		7		3		9	4		24
	Total			62	10	94	26	64	20	66	4	5	351
Total				62	10	94	26	64	20	66	4	5	351

RAG Summary - MEA (Oman)

Region	Site	Insurance-Summary	Type	Life	1- Critical	2- Medium	3 - Low	Total
□ MEA		□ Insurance	1 - Long Standing					
		family:Calibri, Arial, Helvetica, sans-serif;font-size:11pt;color:rgb(0, 0, 0);"> < span style="color:black;background-color:rgb(0, 255, 0);"> < /span> < /div> < p		2 - Current				
□ Ibri	style="margin:0in;font-size:11pt;font-family:Calibri, sans-serif;"> Key Progress & Samp; Next Steps style="margin:0in;font-size:11pt;font-family:Calibri, sans-serif;">All O&M Actions CLOSED. (Key Battery Room Painting, Battery Testing and Sea Water Fire Pump exclusion). y- y	Total						
		Total						
	□ Ibri		□ Deep Dive	1 - Long Standing				
		family:Calibri, Arial, Helvetica, sans-serif;font-size:11pt;color:rgb(0, 0, 0);"> < span style="color:black;"> < span id="ms-rterangecursor-start" style="color:black;"> < div		2 - Current				
		style="margin-top:14.6667px;margin-bottom:14.6667px;"> < div style="font-	□ Insurance	1 - Long Standing	ent O O O O O O O O O O O O O O O O O O O			
		family:Calibri, Arial, Helvetica, sans-serif;font-size:11pt;"> < span		2 - Current				
		style margin topa. 30,1 1:0001 px, margin bottoma. 30,1 1:0001 px, 1 day style forte						

RAG Summary - MEA (excluding Oman)

Region	Site	Insurance-Summary	Туре	Life	1- Critical	2- Medium	3 - Low	Total
□ MEA	□ Hassyan		□ Insurance	1 - Long Standing	1- 2- Medium			
MEA =		color="#000000"> < span style="background-color:rgb(255, 255, 255);color:black;"> < span style="background-color:rgb(255, 255, 255);"> Recent survey report awaited. < /font> < /div> < /div>	Total					
		Total						
	□ KIPP		□ Deep Dive	1 - Long Standing				
		color="#000000"> 100%		2 - Current				
			□ Insurance	1 - Long Standing				
			Total					
		Total						
	☐ Shuaa ☐ <div class="ExternalClassD6E67711572B410689C1F59B9D8D7E60"> <div> All Site Actions are closed. </div> </div>	□ Insurance	1 - Long Standing					
		Total						
		Total						
		□ Insurance Total	1 - Long Standing					
		Total						
	□ Vin Hao		□ Insurance	1 - Long Standing				
		color="#000000"> 100% 	Total					
		Total						
	Total							
Total								

Open / In Progress - MEA - Critical

Region Site	Туре	Recommendation	Responsibility	Action	Status	Evidence	RAG
□ MEA □ Ibri	□ Deep Dive	□ DDR # 2020/02/07 - Review the position of the manual trip push button of ST Lube oil system	□ PC	□ Review the position of the manual trip push button of ST Lube oil system	□ Completed	No	
	□ Insurance	□ RR 2022/03/06 - ST valve freedom test	□ 0&M	 Agree on performing the test over riding the Sequencer 	☐ In Progress	No	
				☐ Perform the Stop Valve Freedom Test	□ Completed	No	
		☐ RR 2022/03/07 - GT and ST over speed test	□ 0&M	□ Develop OST Procedure for the Site	□ In Progress	Yes	
				□ OST for GTs	□ Completed	Yes	
				☐ Simulated OST for Steam Turbines	□ In Progress	No	
□ Sohar 3	□ Insurance	□ RIR # 21/11/02 - ST Valves Freedom Test Issues	□ 0&M	□ Review of NOMAC Procedure with Manual Intervention to avoid Trips during Tests	□ In Progress	Yes	

Open / In Progress - MEA - Critical

Region Site	Туре	Recommendation	Responsibility	Action	Status	Evidence	RAG
□ MEA □ Barka	□ Insurance	□ REC # 06/06/10 - Fire Protection in the Fire pump House	□ PC	☐ Execute the Final Approved System	☐ In Progress	No	
				 PC to provide approval from ROP for the new Design 	□ Completed	Yes	
				☐ Site to get quotation for using Water from the Fire Pump Discharge	☐ Completed	No	

Region Site	Type	Recommendation	Responsibility	Action	Status	Evidence	RAG
☐ MEA ☐ Salalah 2	□ Insurance	☐ RIR # 2020/01/06 - Consider risk assessment and modification of Firefighting system shifted inside of EDG	□ O&M	 Come up with operational controls in case of fire and risk assessment 	□ Completed	Yes	
		container to be effective (New Plant)		□ Execute the Modification as Approved	☐ In Progress	No	
				☐ Get a new quote for dry fire fighting system	□ Completed	Yes	
			□ PC	 PC to provide a financial decision on the EDG Proposal 	☐ Completed	Yes	
		□ RIR # 2020/01/08 - Extend Fire sprinkler protection system in the warehouse on top of capital spares	□ O&M	 O&M to execute the Modification under additional Services 	☐ In Progress	No	
			□ PC	□ PC to provide Decision on the Modification	□ Completed	No	
□ Sohar 3	□ Insurance	□ RIR # 2020/03/10 - Generator online PD monitoring system	□ PC	☐ Get GE Services for Retrieving Data	☐ In Progress	Yes	
□ Taweelah	□ Insurance	☐ RIR # 2020/10/01 - Transformer Baseline Reading	□ O&M	□ Action Plan	☐ In Progress	No	
		□ RIR # 2020/10/02 - Fire Pump Testing	□ 0&M	□ Action Plan	☐ In Progress	No	
		☐ RIR # 2020/10/03 - Risk Assessment for change in gaseous suppression system	□ O&M	☐ Action Plan	□ In Progress	No	
		☐ RIR # 2020/10/04 - Seismic vulnerability of non-structural elements	□ O&M	☐ Action Plan	☐ In Progress	No	

Open / In Progress - Current - MEA

Region Site Type Recommendation Responsibility Action Status Evidence RAG

☐ MEA ☐ Ibri ☐ Insurance ☐ RR 2022/03/04 - Management of fire doors ☐ O&M ☐ 3M Monthly PM Plan to be added to SAP ☐ Completed No ☐

Open / In Progress - Current

Region Site	Type	Recommendation	Responsibility	Action	Status	Evidence	RAG
□ MEA □ Salalah 2	□ Insurance	□ RIR # 2021/01/02 - DC Lube Oil Pump Starting	□ O&M	☐ Defend the requirement on Site during the Survey	☐ In Progress	No	
				☐ Discuss feasibility of start up from OEM	☐ Completed	Yes	
				☐ NOMAC to arracge a test to demonstrate Fail-Safe	☐ Completed	Yes	
□ Sohar 3	□ Deep Dive	□ DDR # 2021/02/01 - DC Lube Oil Pump Hardwired Pressure Switch Testing	□ 0&M	☐ Feasibility will be checked with OEM	☐ In Progress	No	
		□ DDR # 2021/02/06 - Feasibility Study For DC Lube Oil Pump Starting Push Button In CCR	□ 0&M	Feasibility will be checked in consultation with OEM	☐ In Progress	No	
		□ DDR # 2021/12/01 - UPS Reliability at Offtaker premises	□ 0&M	 UPS Reliability at Offtaker premises (Lessons Learnt) 	☐ In Progress	No	
		□ DDR # 2021/12/02 - EDG Tank Level	□ 0&M	 Add task of verifying/recording tank level as part of Weekly Checks 	□ In Progress	No	
		□ DDR # 2021/12/04 - EDG Corrosion	□ 0&M	□ EDG Corrosion Management	☐ In Progress	Yes	
	□ Insurance	□ RIR # 2021/02/01 - Fire pump Auto Switching OFF	□ 0&M	☐ Get Opinion of Local Civil Authority (CoE Recommendation is to Modify as Recommended)	□ In Progress	No	
			□ PC	□ Perform modification if approved	☐ In Progress	No	

Common Approaches - MEA

Reference	Topic	Barka	Hassyan	Ibri	KIPP	Salalah 2	Shuaa	Sohar 3	Vin Hao	Total
□ EP1	Natural Perils Preparedness Planning									
□ EP2	Contingency Planning for Major Spares									
□ EP4	ERP - Standard Template, Reviews and Exercises									
□ FP1	Fire Pump Testing									
□ FP12	Fire System Impairment Procedure									
□ FP13	GT Enclosure Integrity Testing									
□ FP15	Flange Guards on Lube Oil Piping Flanges									
□ FP16	Fire Door Control and Maintenance									
□ FP22	Fire Detection within Raised Floor Plans									
□ FP3	Testing of Fire System Foam Concentrate									
□ FP4	Housekeeping									
□ FP9	Passive fire protection									
□ M10	Civil Structure Management									
□ M11	Scaffold Management									
□ M2	Pipe Hanger Inspection and Testing Procedures									
□ M4	Transformer Oil Analysis									
□ M6	GT Air Filter Maintenance and Cleaning/Replacement Procedures									
□ M7	Lube and Hydraulic Oil Analysis - Frequency									
□ M9	Maintaining a Register of OEM Recommendations for Equipment Modifications									
□ OP1	Management of Change Procedures									
□ OP5	Alarm Management									
□ OP8	Control and Management of Contractors									
□ PSS1	Overspeed Testing by Simulation & Physical (GT, ST & BFPT)									
□ PSS13	Overspeed Testing of Hydroelectric Turbine Generator Units									
□ PSS3	DC Lube Oil Pump Testing									
□ PSS5	ST Valve Exercising									
□ RX1	Emergency Diesel Generator Load Tests									
□ RX16	EDG Fire Detection									
□ RY17	ST Rearing Fire Protection									

Status (Numbers) - Red Sea

Region	Status (groups)	Life	Priority	Rabigh 1	Rabigh 2	Rabigh 3	Shuaibah SIWEP	Shuaibah SIWPP	Shuaibah STPC	Shuqaiq	Total
□ Red Sea	□ Completed	□ 1 - Long Standing	1- Critical	25	17	1	23	41	3	46	156
			2- Medium	7	1	2	1	1	6	2	20
			3 -Low	10		1	3	2	8	6	30
			Total	42	18	4	27	44	17	54	206
		□ 2 - Current	1- Critical	4	1						5
			2- Medium	8	3	4				5	20
			3 -Low	5	1	2				3	11
			Total	17	5	6				8	36
		Total		59	23	10	27	44	17	62	242
	☐ Open / In Progress ☐	☐ 1 - Long Standing	1- Critical							2	2
			2- Medium		1						1
			3 -Low	1	2					1	4
			Total	1	3					3	7
		□ 2 - Current	1- Critical	2	1						3
			2- Medium	5	5					1	11
			3 -Low	1	2					1	4
			Total	8	8					2	18
		Total		9	11					5	25
	Total			68	34	10	27	44	17	67	267
Total				68	34	10	27	44	17	67	267

RAG Summary - Red Sea (Rabigh Sites)

Region	Site	Insurance-Summary	Туре	Life	1- Critical	2- Medium	3 - Low	Total
□ Red Sea	□ Rabigh 1		□ Deep Dive	2 - Current	0			
		color="#000000"> New recommendations	□ Insurance	1 - Long Standing				
		awaiting action plans: <div><span< td=""><td></td><td>2 - Current</td><td></td><td></td><td></td><td></td></span<></div>		2 - Current				
		style="background-color:rgb(255, 255, 255);"> < div style="margin-top:14px;margin-bottom:14px;"> < span > < span dir="ltr"> - DDR # 22/10/01 - Unit #2 De-scoped activities < br> - DDR # 22/10/02 - Fuel Conversion Project preparation < br> - RIR # 2022/10/01 - Fire pumps area defects repair < br> - RIR # 2022/10/02 - Control room alarm panel and furnace cameras repair < br> - RIR # 2022/10/04 - Condition Monitoring program improvement < / span > < / span > < / div > < /	Total					
		Total						
□ Rabigh 2 □ <			□ Deep Dive	2 - Current				
		style="background-color:rgb(255, 255, 255);color:black;"> Expected Survey:	□ Insurance	1 - Long Standing				
		March 2023 <div><span style="background-color:rgb(128, 255,</td><td></td><td>2 - Current</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>128);">GT Enclosure Testing Done Successfully on Group 3 - remaining in 2025. *cliv><div>Business Continuity Plan (Impact Analysis) completed- review to be completed and finalizedO&M received the proposal for Yokogawa (Windows 10).O&M received the proposal for Yokogawa (Windows 10).Syin> W#160;Proposal receivedW#160;W#160;W#160;</div>W#160;</div> W#160; W#160; DC Lube Oil Annual Test is done for Group-3 turbines. W#160; S#160; S#160; S#160; S#160;<td>Total</td><td></td><td></td><td></td><td></td><td></td>	Total					

RAG Summary - Red Sea (Shuaibah Sites)

Region	Site	Insurance-Summary	Туре	Life	1- 2 Critical N	- 1edium	Total
□ Red Sea	□ Shuaibah SIWEP	<div class="ExternalClassCDD7E10B61B84B02AE6DD8D86124B572"><div style="font-family:Calibri, Arial, Helvetica, sans-serif;font-size:11pt;color:rgb(0, 0, 0);"><div style="margin-top:14.6667px;margin-bottom:14.6667px;">Tracking will be re-aligned with the new survey report.Previous Actions: 100%</div></div></div> 	☐ Insurance Total	1 - Long Standing			
		Total					
	□ Shuaibah			1 - Long Standing			
	Shuaibah SIWPP SlWPP SlWPP	Total					
		Total					
Total	Total						

RAG Summary - Red Sea (Other Sites)

Region	Site	Insurance-Summary	Туре	Life	1- Critical	2- Medium	3 - Low	Total
□ Red Sea	□ Shuqaiq	<div class="ExternalClassCEEE5C92372942D6A58D1FB8A4EB7CE9"><div>Site to attend elevated CO/CO2 levels.</div><div>Actions have been initiated for Alarm Management, Switch Gear Testing & DC Lube Oil Performance Testing to be presented to Risk Engineer in the upcoming visit to confirm the closure plan. </div></div>	□ Insurance Total	1 - Long Standing2 - Current				
	Total	Total						
Total								

Open / In Progress - Red Sea - Critical

Region	Site	Туре	Recommendation	Responsibility	Action	Status	Evidence	RAG
□ Red Sea	□ Rabigh 1	□ Deep Dive	□ RIR # 21/09/04 - Battery Remaining Life Assessment	□ O&M	 Compare actual vs nominal capacity for Tracking and Further Actions 	□ In Progress	Yes	
		□ Insurance	□ RIR# 2021/09/08 - Hydrastep Normalization	□ O&M	☐ Complete RCA for the Chronic Failures	□ Completed	No	
	□ Rabigh 2	□ Insurance	□ RIR# 21/09/03 - DC Lube Oil Pump Testing	□ 0&M	☐ Group -1 - Perform the DC LO Testing as Recommended	☐ In Progress	No	
					☐ Group -2 - Perform the DC LO Testing as Recommended	☐ In Progress	No	
					☐ Group -3 - Perform the DC LO Testing as Recommended	□ Completed	No	
	□ Shuqaiq	□ Insurance	□ RIR # 2020/09/12 - Performance monitoring of DC Lube oil pumps	□ 0&M	□ Perform One Time Post-Maintenance Check on all Units	☐ In Progress	No	
					□ Perform Weekly Parameters Check	□ Completed	No	
			☐ RIR# 18/06/02 - Step Up Transformer DGA Frequency	□ 0&M	☐ Engage 3rd Party for elevated CO2/CO	☐ In Progress	No	

Open / In Progress - Long Standing - Red Sea

Region	Site	Туре	Recommendation	Responsibility	Action	Status	Evidence	RAG
□ Red Sea	a □ Rabigh 2	□ Insurance		□ O&M	□ Execute on Group 1 GTs	□ Open	No	
			carried out		□ Execute on Group 3 GTs	□ Completed	Yes	
				⊟ PC	□ Execute on Group 2 GTs	□ Open	No	

Open / In Progress - Current

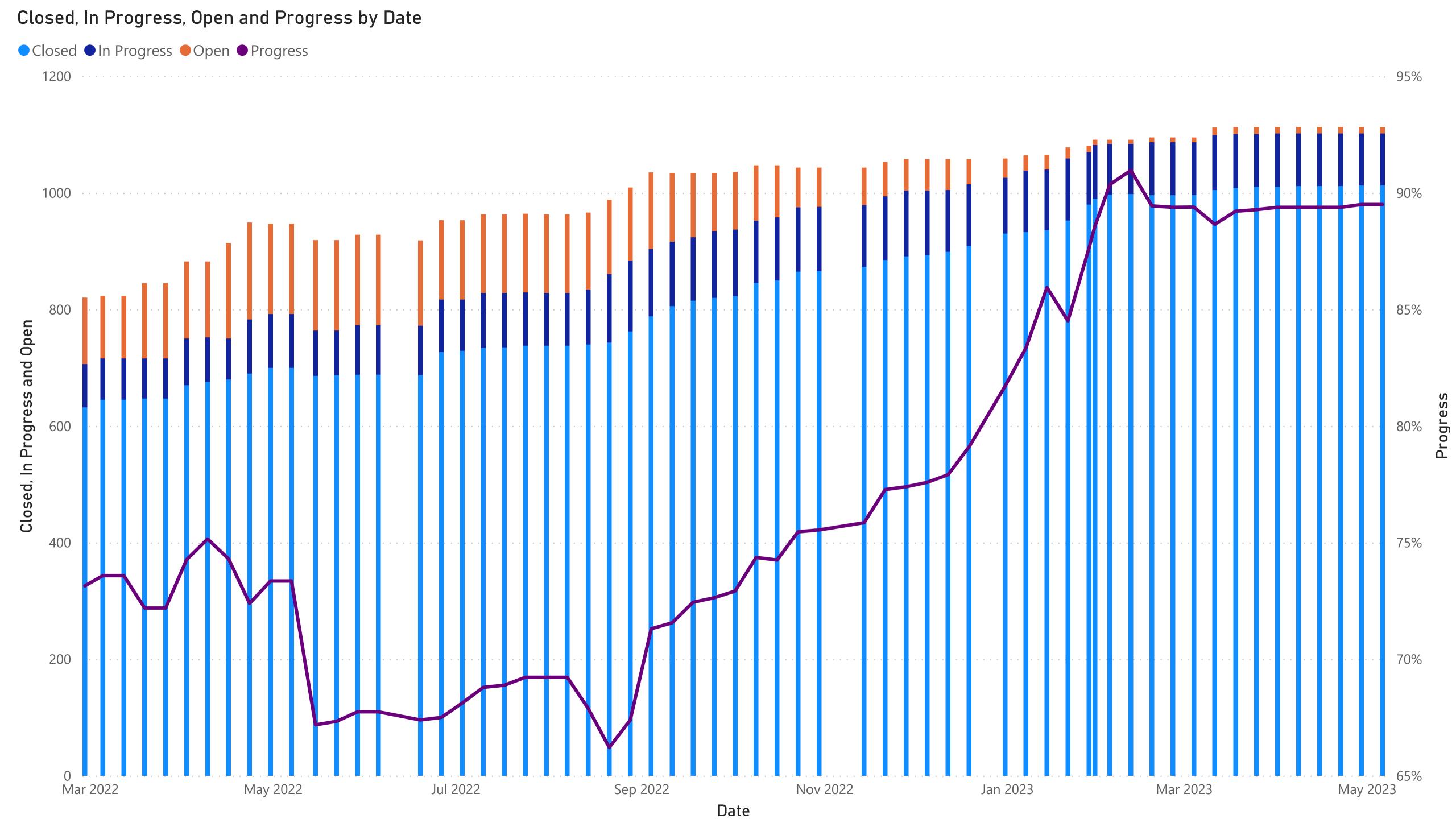
Region	Site	Туре	Recommendation	Responsibility	Action	Status	Evidence	RAG
☐ Red Sea	□ Rabigh 1	□ Deep Dive	□ DDR # 22/10/01 - Unit #2 De-scoped activities	□ 0&M	☐ Default Action for Unit #2 De-scoped activities	□ Open	No	
			□ DDR # 22/10/02 - Fuel Conversion Project preparation	□ PC	Default Action for Fuel Conversion Project preparation	□ Open	No	
		□ Insurance	☐ RIR # 2022/10/01 - Fire pumps area defects repair	□ O&M	☐ Default Action for Fire pumps area defects repair	□ Open	No	
			☐ RIR # 2022/10/02 - Control room alarm panel and furnace cameras repair	□ O&M	 Default Action for Control room alarm panel and furnace cameras repair 	□ Open	No	
			□ RIR# 2021/09/03 - BOP Safety Valves Testing & Inspection Program	□ 0&M	 Develop a formal safety valves testing and inspection program for all the BOP valves 	☐ Completed	No	
	□ Rabigh 2	□ Deep Dive	□ DDR %2021/09/01 - Motors PM & Risk Assessment	□ O&M	☐ Default Action for Motors PM & Risk Assessment	□ Completed	No	
			□ DDR %2021/09/02 - EDG Testing	□ O&M	□ Perform EDG Testing - GR1	☐ In Progress	No	
					□ Perform EDG Testing - GR2	□ Completed	Yes	
					□ Perform EDG Testing - GR3	☐ Completed	Yes	
			□ DDR %2021/09/03 - Competency assessment	□ 0&M	□ Default Action for Competency assessment	□ Completed	No	
			□ DDR %2021/09/04 - EDG Control Panel Battery Replacement Strategy	□ 0&M	 Default Action for EDG Control Panel Battery Replacement Strategy 	□ Completed	No	
			□ DRIR 2021/02/01 - Emergency Scenarios Desktop Exercises	□ 0&M	Default Action for Emergency Scenarios Desktop Exercises	□ Completed	No	

Open / In Progress - Current

Region Site Type Recommendation Responsibility Action Status Evidence RAG

Common Approaches - Red Sea

Reference	Topic	Rabigh 1	Rabigh 2	Rabigh 3	Shuaibah SIWEP	Shuaibah SIWPP	Shuaibah STPC	Shuqaiq	Total
□ EP1	Natural Perils Preparedness Planning								
□ EP2	Contingency Planning for Major Spares								
□ EP4	ERP - Standard Template, Reviews and Exercises								
□ FP1	Fire Pump Testing								
□ FP12	Fire System Impairment Procedure								
□ FP13	GT Enclosure Integrity Testing								
□ FP14	Fire System Management - Self Inspection Programme								
□ FP15	Flange Guards on Lube Oil Piping Flanges								
□ FP16	Fire Door Control and Maintenance								
□ FP18	Hot Work Procedure								
□ FP2	Testing of Fire Systems								
□ FP22	Fire Detection within Raised Floor Plans								
□ FP3	Testing of Fire System Foam Concentrate								
□ FP9	Passive fire protection								
□ M10	Civil Structure Management								
□ M2	Pipe Hanger Inspection and Testing Procedures								
□ M4	Transformer Oil Analysis								
□ M5	Thermographic Surveys								
□ M6	GT Air Filter Maintenance and Cleaning/Replacement Procedures								
□ M9	Maintaining a Register of OEM Recommendations for Equipment Modifications								
□ OP1	Management of Change Procedures								
□ OP5	Alarm Management								
□ PSS1	Overspeed Testing by Simulation & Physical (GT, ST & BFPT)								
□ PSS3	DC Lube Oil Pump Testing								
□ RX18	Fire Detection in Warehouse - Capital Spares								
□ RX3	Arrange Civil defense site familiarization visit as soon as possible.								
□ RX9	Formalize tank inspection program								
Total									



Common Approaches

Reference	Topic	Al Dur 2	Barka	Benban E	Bokpoort I	Hassyan Ibri	Jubail 3A	KIPP	Noor 1	Noor 2	Noor 3	QIPP F	Rabigh I	Rabigh 2	Rabigh 3	Sakaka	Salalah S 2	Shuaa Shuaibal	Shuaibah SIWPP	Shuaiba STPC	h Shuqai	q Sohar 3	Vin Hac
□ RX18	Fire Detection in Warehouse - Capital Spares																						
□ PSS3	DC Lube Oil Pump Testing)
□ RX16	EDG Fire Detection																						
□ EP2	Contingency Planning for Major Spares)
□ OP5	Alarm Management																						
□ FP16	Fire Door Control and Maintenance																						
□ M4	Transformer Oil Analysis)
□ FP1	Fire Pump Testing																						
□ FP12	Fire System Impairment Procedure)
□ FP15	Flange Guards on Lube Oil Piping Flanges)
□ M7	Lube and Hydraulic Oil Analysis - Frequency																						
□ RX1	Emergency Diesel Generator Load Tests																						
□ RX17	ST Bearing Fire Protection)
Total																							

Critical CAPEX

n S	Site	Year	Recommendation	Responsibility	Action	Status	Evidence	RAG
в В	Bokpoort	2017	REC # 17/02/01 - SUPERVISION OF RAW WATER SUPPLY	PC	Execute Electrification of both the River and Halfway	Completed	Yes	
					Execute the Project	In Progress	No	
					Share the Project Plan	Completed	Yes	
			REC # 17/02/03 - Testing Gaseous Flooding System	PC	Execute the Sealing via Repairs	In Progress	No	
					Finalize the Decision on Contracotr Findings and Execute Recommendations	In Progress	No	
					Perform Fan Door Test to ensure Repairs are Effective	In Progress	No	
			REC # 17/02/20 - Online Monitoring Systems	O&M	Ensure DGA PMs are being Conducted Effectively	Completed	Yes	
				PC	Defend the Cost Benefit of not Installing Online DGA as per existing PM Plans	Open	Yes	
			REC #17/11/05 - FOAM MONITOR	PC	Finalize the Mobile Foam Units Installation	In Progress	Yes	
Khalla	Khalladi	2020	RIR # 2020/01/05 - DC battery room	PC	Explosion Proof Equipment to be Provided in Battery Room	Open	No	
					Provide Approval for Ex Proof Equipment	Completed	Yes	
Noo	Noor 1	2017	OBS # 2017/4 - Isolation valves in the HTF loops	PC	Decide on the Plan and Close based on Risk Assessment	In Progress	No	
			REC # 17/06/04 (N1) - Extension of automatic fire protection	O&M	Execute as Decided (Action 1092)	In Progress	Yes	
					Provide Thermal Detection Quotation for PC	Completed	Yes	
				PC	To share quotation with PC	Completed	Yes	
N	Noor 2	2016	RIR # 16/01/06 - CRITICAL SPARE PARTS	PC	Initiate Procurement	In Progress	No	
					PC to Agree to Provided List	Completed	No	
		2019	REC # 19/10/01 - Extension of Fire Detection	O&M	Decide on extension of fire detection installation to - Lube Oil Pits of FWPs	In Progress	No	
					Decide on extension of fire detection installation to - Warehouse	In Progress	No	
					Decide on extension of fire detection installation to - Workshop	In Progress	No	
				PC	Install markings on floors where Fire Detectors are Installed	Completed	Yes	
					Provide Change order for O&M Execution	Completed	Yes	
N	Noor 3	2018	REC # 18/02/03 - Fire protection on electrical rooms (solar	PC	Provide automatic gas flooding protection system on	In Progress	No	