



Engineering & Metallurgical
Assessment Services

PT. EMPU AGUNG SAKTI

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LIST OF EXPERIENCES (WORK REFERENCES)

Scope of Services

- Condition Assessment by In-Situ Metallographic Examination (Replica Test) and Hardness Test
- Remaining Life Assessment (RLA) by Non-Destructive and Destructive Tests
- Root Cause Failure Analysis and Prevention
- Corrosion Assessment by Deposit/Scale Analysis and/or Corrosion Rate Measurement
- QA/QC for Vendor’s Product Fabrication
- In-House Training

NO.	TYPE OF WORK / TIME OF IMPLEMENTATION	NAME OF COMPANY
1	REPLICA TEST ON STEAM INTERMITTENT BLOWDOWN DRUM FA-702, AUGUST 2024	PT. CHANDRA ASRI PETROCHEMICAL, TBK
2	REPLICA TEST ON STEAM INTERMITTENT BLOWDOWN DRUM FA-703, AUGUST 2024	PT. CHANDRA ASRI PETROCHEMICAL, TBK
3	REPLICA TEST ON COLUMN 2DA-301 AND PIPES OF REACTOR 2DC-302, AUGUST 2024	PT. CHANDRA ASRI PETROCHEMICAL, TBK
4	REPLICA TEST ON DRYER REGENERATION GAS HEATER EA-210, AUGUST 2024	PT. CHANDRA ASRI PETROCHEMICAL, TBK
5	METALLURGICAL ASSESSMENT OF NEW RETURN BEND TUBES (T2 AND T22), AUGUST 2024	PT. RIZA UTAMA TEKNIK
6	IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA REACTOR 37-R-101B DI KILANG PERTAMINA RU VI BALONGAN, JULI 2024	PT. KARYA PATRA UTAMA
7	IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA 12-J-501-C (SETELAH INSIDEN KEBAKARAN) DI PT. KILANG PERTAMINA INTERNASIONAL RU VI BALONGAN, JULY 2024	PT. KARYA PATRA UTAMA
8	FAILURE ANALYSIS ON A BROKEN UPPER SHAFT OF PTA-2 SECONDARY CRYSTALLIZER AGITATOR (2AG-1833), JULY 2024	PT. MITSUBISHI CHEMICAL INDONESIA
9	REPLICA TEST ON A STEAM TURBINE IMPELLER STAGE 2 & 6, JULY 2024	PT. SULZER INDONESIA
10	FAILURE ANALYSIS ON A CRACKED HASTELLOY PIPE OF LINE D-1 OF PTA-1 REACTOR (QIS/MNT/2024/02663), JULY 2024	PT. MITSUBISHI CHEMICAL INDONESIA
11	METALLURGICAL ASSESSMENT OF NEW ELBOW/RETURN BEND TUBES, JUNE - JULY 2024	PT. RIZA UTAMA TEKNIK
12	REPLICA TEST ON NEW ELBOW AND FLANGE OF HASTELLOY C-276, JUNE 2024	PT. MITSUBISHI CHEMICAL INDONESIA
13	REPLICA TEST ON FURNACE BA-108, JUNE 2024	PT. CHANDRA ASRI PETROCHEMICAL, TBK
14	REPLICA TEST ON VESSEL ETHYLENE HOT & COLD, JUNE 2024	PT. CHANDRA ASRI PETROCHEMICAL, TBK
15	REPLICA TEST ON HP FLARE TIP, JUNE 2024	PT. CHANDRA ASRI PETROCHEMICAL, TBK
16	LABORATORY EXAMINATION ON A ROUND BAR OF HASTELLOY C-276 (SOLUTION HEAT TREATMENT IN TEF), MAY - JUNE 2024	PT. MITSUBISHI CHEMICAL INDONESIA

17	REPLICA TEST ON FURNACE WATER WALL TUBES OF STEAM BOILER F-680, MAY 2024	PT. MC PET FILM INDONESIA
18	REPLICA TEST ON THE LEAKED WELD JOINT BETWEEN THE PIPE AND NOZZLE HEAD OF THE PRESSURE GAUGE CONNECTOR (PG-230), MAY 2024	PT. MC PET FILM INDONESIA
19	REPLICA TEST ON CATALYST COOLER 101-E-501 A/B, MAY 2024	PT. NUSAKURA STANDARINDO
20	REPLICA TEST ON A STEAM TURBINE ROTOR, MAY 2024	PT. SULZER INDONESIA
21	METALLURGICAL ASSESSMENT ON PIPES OF HASTELLOY C-276 (MANUFACTURED AND SOLUTION HEAT TREATED IN CHINA), MAY 2024	PT. MITSUBISHI CHEMICAL INDONESIA
22	LABORATORY EXAMINATION ON A ROUND BAR OF HASTELLOY C-276 (SOLUTION HEAT TREATMENT IN JAPAN), MAY 2024	PT. MITSUBISHI CHEMICAL INDONESIA
23	RESULTS OF QUALITY ASSESSMENT ON STAINLESS STEEL PIPE OF SS-304L TYPE, APRIL - MAY 2024	PT. PADANG RAYA CAKRAWALA
24	FAILURE ANALYSIS ON A LEAKED STEAM COIL PIPING, APRIL - MAY 2024	PT. KUTAI REFINERY NUSANTARA
25	REPLICA TEST ON FINDING CRACK ON SHELL TO BOTTOM WELD FB 1809 C PFO TANK AND A CRACKED NOZZLE, APRIL - MAY 2024	PT. CHANDRA ASRI PETROCHEMICAL, TBK
26	IN-SITU METALLOGRAPHIC EXAMINATION ON ROUND BAR OF HASTELLOY C-276, APRIL - MAY 2024	PT. MITSUBISHI CHEMICAL INDONESIA
27	FAILURE ANALYSIS OF CRACKS ON THE INTERNAL JOINT OF HASTELLOY C-276 PIPE AND NOZZLE N-4 AT LINE PIPE B-1 OF PTA-2, APRIL 2024	PT. MITSUBISHI CHEMICAL INDONESIA
28	FAILURE ANALYSIS ON A LEAKED CPKO FEED TRANSFER PIPING AT OLEO PLANT OF PT. KRN BALIKPAPAN, APRIL 2024	PT. KUTAI REFINERY NUSANTARA
29	IN-SITU METALLOGRAPHY AND HARDNESS TEST ON BOILER TUBES AT TANJUNG JATI-B POWER PLANT UNIT #1, MARCH 2024	PT. RIZA UTAMA TEKNIK
30	HASIL PENGUJIAN IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA SAAT COC UNIT AHU #12 TAHUN 2024 DI KILANG PERTAMINA INTERNASIONAL RU VI BALONGAN, FEBRUARY - MARCH 2024	PT. KARYA PATRA UTAMA
31	IN-SITU METALLOGRAPHY (REPLICA TEST) AND HARDNESS TEST HASTELLOY C-276, FEBRUARY 2024	PT. TOKKI ENGINEERING AND FABRICATION
32	METALLURGICAL ASSESSMENT OF HIGH ENERGY PIPING OF BOILER UNIT-7 AT PT. POMI, PAITON POWER PLANT, JANUARY - March 2024	PT. TUV RHEINLAND INDONESIA
33	METALLURGICAL ASSESSMENT ON SOOT BLOWER'S LANCE TUBES OF A COAL-FIRED POWER PLANT, JANUARY 2024	PT. PLN (PERSERO) PUSHARLIS UPW II
34	LABORATORY METALLOGRAPHIC EXAMINATION ON COATED TEST PLATE (SAMPLE 2), JANUARY 2024	PT. NUSCACO HASTELOY TURBINE SERVICES
35	IN-SITU METALLOGRAPHY (REPLICA TEST) ON NOZZLE 2ND ROW (HITACHI H-25), JANUARY 2024	PT. NUSCACO HASTELOY TURBINE SERVICES
36	LABORATORY METALLOGRAPHIC EXAMINATION ON COATED TEST PLATE, JANUARY 2024	PT. NUSCACO HASTELOY TURBINE SERVICES
37	LABORATORY METALLOGRAPHIC EXAMINATION ON COATED TEST PLATES, DECEMBER 2023	PT. NUSCACO HASTELOY TURBINE SERVICES
38	REPLICA TEST ON PRODUCT PURGE BIN C-5009, DECEMBER 2023	PT. CHANDRA ASRI PETROCHEMICAL, TBK
39	FAILURE ANALYSIS ON PIPE INWARD DEFORMATION OF WELD JOINT HOLE BETWEEN NOZZLE N-1 (2") AND LINE PIPE A-1 OF PTA-1, DECEMBER 2023	PT. MITSUBISHI CHEMICAL INDONESIA
40	METALLOGRAPHIC EXAMINATION OF ROUND BAR MATERIAL OF HASTELLOY C-276, DECEMBER 2023	PT. MITSUBISHI CHEMICAL INDONESIA
41	FAILURE ANALYSIS OF LEAKED NOZZLE N-5/1½" AT LINE PIPE D-2 OF PTA-1, DECEMBER 2023	PT. MITSUBISHI CHEMICAL INDONESIA
42	PELATIHAN ONLINE : QA/QC MAINTENANCE/OVERHAUL MESIN DAN PERALATAN MEKANIK PEMBANGKIT, UNTUK PT PLN NP UNIT PJB ACADEMY, NOVEMBER - DECEMBER 2023	PT. PLN NUSANTARA POWER UNIT PJB ACADEMY

43	PELATIHAN ONLINE : QA/QC MAINTENANCE/OVERHAUL TRANSFORMATOR DAN GENERATOR PEMBANGKIT, UNTUK PT PLN NP UNIT PJB ACADEMY, NOVEMBER - DECEMBER 2023	PT. PLN NUSANTARA POWER UNIT PJB ACADEMY
44	PELATIHAN ONLINE : QA/QC MAINTENANCE/OVERHAUL SISTEM INSTRUMENTASI DAN KONTROL PEMBANGKIT, UNTUK PT PLN NP UNIT PJB ACADEMY, NOVEMBER - DECEMBER 2023	PT. PLN NUSANTARA POWER UNIT PJB ACADEMY
45	PELATIHAN OFFLINE : MATERIAL DAN REMAINING LIFE ASSESSMENT (RLA) KOMPONEN/PERALATAN PEMBANGKIT, NOVEMBER 2023	PT. PJB SERVICES
46	FAILURE ANALYSIS ON A NEWLY CONSTRUCTED PIPING SYSTEM, NOVEMBER - DECEMBER 2023	PT. KUTAI REFINERY NUSANTARA
47	REPLICA TEST ON HASTELLOY NOZZLE BOSS AND FLANGE BOSS (LINE D/PTA-1), NOVEMBER 2023	PT. MITSUBISHI CHEMICAL INDONESIA
48	REPLICA TEST ON HASTELLOY PIPE & ELBOW OF LINE A2, LINE B2 AND LINE D3 (EX PTA-2), NOVEMBER 2023	PT. MITSUBISHI CHEMICAL INDONESIA
49	REPLICA TEST ON SP.TEES, LINE B1, LINE D3 AND BOSS, NOVEMBER 2023	PT. MITSUBISHI CHEMICAL INDONESIA
50	IN-SITU METALLOGRAPHY (REPLICA TEST) ON AROMATIC PLANT AND PLATFORMING PLANT DURING TA 2023 AT PT. TPPI-TUBAN, OCTOBER - NOVEMBER 2023	PT. RADIANT UTAMA INTERINSCO, TBK
51	METALLURGICAL ASSESSMENT ON STAINLESS STEEL CLADDING OVER CARBON STEEL PLATE OF A PROCESSING COLUMN 118D03 AFTER AN EXPLOSION ACCIDENT, OCTOBER 2023	PT. SARI DUMAI OLEO
52	REPLICA TEST ON SPOOL PIPING PTA-1 (LINE A-2, B-1, D-2), SEPTEMBER 2023	PT. TOKKI ENGINEERING AND FABRICATION
53	REPLICA TEST ON ROUND BAR HASTELLOY C-276 AND NOZZLE N-6/2", SEPTEMBER 2023	PT. MITSUBISHI CHEMICAL INDONESIA
54	REPLICA TEST ON TURBINE WHEELS (1ST, 2ND & 3RD STAGE) - AFTER HEAT TREATMENT, SEPTEMBER 2023	PT. NUSANTARA TURBIN DAN PROPULSI
55	METALLURGICAL ASSESSMENT OF REHEATER AND SUPERHEATER TUBES AND HEADER OF BOILER UNIT #2 OF TANJUNG JATI-B COAL-FIRED POWER PLANT, SEPTEMBER 2023	PT. RIZA UTAMA TEKNIK
56	FAILURE ANALYSIS OF A FURNACE WATER WALL BOILER TUBE, SEPTEMBER 2023	PT. ECOLAB INDONESIA
57	FAILURE ANALYSIS ON LEAKED NOZZLE AND DEFORMED PIPE-NOZZLE WELD JOINT, SEPTEMBER 2023	PT. MITSUBISHI CHEMICAL INDONESIA
58	REPLICA TEST ON SHROUD BLOCK AND NOZZLE SEGMENT OF GT HGP COMPONENTS, AUGUST-SEPTEMBER 2023	PT. SULZER INDONESIA
59	LABORATORY EXAMINATION ON HASTELLOY PIPE SAMPLES (B-1 2022/PTA-2 AND C-1 2011/PTA-1), AUGUST 2023	PT. MITSUBISHI CHEMICAL INDONESIA
60	FAILURE ANALYSIS OF A DAMAGED WATER WALL BOILER TUBE, AUGUST 2023	PT. ECOLAB INDONESIA
61	LABORATORY METALLOGRAPHY & HARDNESS TEST ON COATED TEST PIECES, AUGUST 2023	PT. NUSCACO HASTELOY TURBINE SERVICES
62	IN-SITU METALLOGRAPHY (REPLICA TEST) ON TURBINE WHEELS (1ST, 2ND & 3RD STAGE) AND AXIAL COMPRESSOR & CENTRIFUGAL COMPRESSOR WHEELS, JULY 2023	PT. NUSANTARA TURBIN DAN PROPULSI
63	LABORATORY EXAMINATION ON HASTELLOY C-276 PIPE (SOLUTION ANNEALING IN JAPAN), JULY 2023	PT. MITSUBISHI CHEMICAL INDONESIA
64	HARDNESS TEST RESULTS ON WELDED JOINT OF OUTLET PIPE/ELBOW OF LINE #A2 OF REACTOR PTA-1, JULY 2023	PT. MITSUBISHI CHEMICAL INDONESIA
65	IN-SITU METALLOGRAPHY BY REPLICA TEST ON BOILER A, MAY 2023	PT. CHANDRA ASRI PETROCHEMICAL, TBK
66	SEM EXAMINATION AND EDS ANALYSIS ON SOME METALLOGRAPHIC SAMPLES OF HASTELLOY C-276 PIPE (SOLUTION ANNEALING IN JAPAN), JULY 2023	PT. MITSUBISHI CHEMICAL INDONESIA

67	REPLICA TEST ON AUSTENITIC STAINLESS STEEL PIPES, JUNE-JULY 2023	PT. TOKKI ENGINEERING AND FABRICATION
68	REPLICA TEST ON EMULSION JET LANCES, JUNE 2023	PT. GMF AEROASIA
69	REPLICA TEST ON EV BURNER, JUNE 2023	PT. GMF AEROASIA
70	HASIL PENGUJIAN IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA SAAT COC UNIT AHU #13 TAHUN 2023 DI KILANG PERTAMINA RU VI BALONGAN, JUNE 2023	PT. KARYA PATRA UTAMA
71	SEM EXAMINATION AND EDS ANALYSIS ON OUTLET PIPE & ELBOW OF LINE #A2 OF REACTOR PTA-1, JUNE 2023	PT. MITSUBISHI CHEMICAL INDONESIA
72	FRACTURE ANALYSIS ON OUTLET PIPE & ELBOW OF LINE #A2 OF REACTOR PTA-1, JUNE 2023	PT. MITSUBISHI CHEMICAL INDONESIA
73	REPLICA TEST ON SPECIAL TEES, JUNE 2023	PT. MITSUBISHI CHEMICAL INDONESIA
74	REPLICA TEST ON NEW HASTELLOY PIPES AND ELBOWS (SOLUTION TREATMENT IN JAPAN), JUNE 2023	PT. MITSUBISHI CHEMICAL INDONESIA
75	REPLICA TEST ON HASTELLOY PIPE AND ELBOW OF LINE #D1 OF REACTOR PTA-1, JUNE 2023	PT. MITSUBISHI CHEMICAL INDONESIA
76	FAILURE ANALYSIS OF A CRACKED PTA DRYER TUBE, MAY-JUNE 2023	PT. MITSUBISHI CHEMICAL INDONESIA
77	FAILURE ANALYSIS OF A BROKEN PTA DRYER TUBE (PTA #1), MAY-JUNE 2023	PT. MITSUBISHI CHEMICAL INDONESIA
78	REPLICA TEST ON HASTELLOY PIPE AND ELBOW OF LINE #A2 OF REACTOR PTA-1, MAY 2023	PT. MITSUBISHI CHEMICAL INDONESIA
79	REPLICA TEST ON HASTELLOY PIPES AND ELBOWS OF REACTOR PTA-1, MAY 2023	PT. MITSUBISHI CHEMICAL INDONESIA
80	ANALYSIS OF REPLICA TEST RESULTS PERFORMED IN JAPAN ON HASTELLOY C-276 PIPES & ELBOWS, MAY 2023	PT. MITSUBISHI CHEMICAL INDONESIA
81	FAILURE ANALYSIS OF A BROKEN HOIST CHAIN LINK, MAY 2023	PT. MITSUBISHI CHEMICAL INDONESIA
82	REPLICA TEST ON A FRACTURED UCC1 MELT PUMP ROTOR Y-7004, MAY 2023	PT. CHANDRA ASRI PETROCHEMICAL, TBK
83	IN-SITU METALLOGRAPHY BY REPLICA TEST ON BOILER A, MAY 2023	PT. CHANDRA ASRI PETROCHEMICAL, TBK
84	IN-SITU METALLOGRAPHY BY REPLICA TEST ON CASTING PUMP COMPONENTS (Repeat Order), APRIL-MAY 2023	PT. TRACON INDUSTRI
85	IN-SITU METALLOGRAPHY BY REPLICA TEST ON CASTING PUMP COMPONENTS, MARCH 2023	PT. TRACON INDUSTRI
86	REPLICA TEST ON VARIOUS PLANT EQUIPMENT, FEBRUARY -MARCH 2023	PT. MITSUBISHI CHEMICAL INDONESIA
87	IN-SITU METALLOGRAPHY (REPLICA TEST) ON NOZZLE 2ND ROW (NON HEAT TREATMENT), FEBRUARY 2023	PT. NUSCACO HASTELOY TURBINE SERVICES
88	REPLICA TEST ON TWO SP. TEES AFTER SOLUTION ANNEALING, FEBRUARY 2023	PT. MITSUBISHI CHEMICAL INDONESIA
89	IN-SITU METALLOGRAPHY (REPLICA TEST) ON ENTRY SEGMENT ROW-A & ROW-B AND HOLDING RING, JANUARY-FEBRUARY 2023	PT. NUSCACO HASTELOY TURBINE SERVICES
90	METALLURGICAL ASSESSMENT OF ALUMINUM RODS (EC GRADE, DIAMETER ± 9.5 MM), JANUARY-FEBRUARY 2023	PT. TEMBAGA MULIA SEMANAN, TBK
91	REPLICA TEST ON FURNACE BA 102, JANUARY-FEBRUARY 2023	PT. CHANDRA ASRI PETROCHEMICAL, TBK
92	SEM/EDS ANALYSIS AND METALLOGRAPHIC EXAMINATION ON COPPER WIRE BREAK (DIAMETER 2.08 MM), JANUARY 2023	PT. TEMBAGA MULIA SEMANAN, TBK
93	REPLICA TEST ON PROCESSING COLUMNS (6-C-1, 6-C-2, 6-C-3 AND 6-C-4), DECEMBER 2022 - JANUARY 2023	PT. UNILEVER OLEOCHEMICAL INDONESIA

94	ANALYSIS OF CRACK/FRACTURE SURFACE ON HASTELLOY PIPE, DECEMBER 2022	PT. MITSUBISHI CHEMICAL INDONESIA
95	CONDITION ASSESSMENT OF ROASTING DRUM OF COCOA NIBS, DECEMBER 2022	PT. MARS SYMBIOSCIENCE INDONESIA
96	IN-SITU METALLOGRAPHY (REPLICA TEST) ON GT COMPONENTS, DECEMBER 2022	PT. SULZER INDONESIA
97	REPLICA TEST ON FURNACE BA-107, NOVEMBER 2022	PT. CHANDRA ASRI PETROCHEMICAL, TBK
98	CHEMICAL CONTENT ANALYSIS OF PLATE SPOOL PIECE OF ELBOW COLUMN C-502, OCTOBER 2022	PT. SOCI MAS (SINAR MAS GROUP)
99	SEM/EDS ANALYSIS OF BROKEN COPPER WIRE, OCTOBER 2022	PT. TEMBAGA MULIA SEMANAN, TBK
100	MICROSTRUCTURES OF COATED PLATE SAMPLES (TBC COATING) IN UNETCHED CONDITION, OCTOBER 2022	PT. NUSCACO HASTELOY TURBINE SERVICES
101	IN-SITU METALLOGRAPHY BY REPLICA TEST ON HOT GAS PATH COMPONENTS OF GAS TURBINE GE FRAME 5, OCTOBER 2022	PT. SULZER INDONESIA
102	JASA PENGUJIAN SAMPLE DEPOSIT STEAM TURBINE (ST) 1.4. PT. PJB MUARA TAWAR, OCTOBER 2022	PT. PEMBANGKITAN JAWA-BALI UMRO
103	PENGUJIAN METALLOGRAPHY & HARDNESS TEST DAN KOMPOSISI KIMIA PADA VANE SEGMENT ROW #1 & #2, TURBINE BLADE ROW #1 DAN COATED TEST PIECES, SEPTEMBER 2022	PT. NUSCACO HASTELOY TURBINE SERVICES
104	ROOT CAUSE FAILURE ANALYSIS (RCFA) OF TUBE LEAKAGE ON REBOILER 6-E-7, AUGUST – SEPTEMBER 2022	PT. UNILEVER OLEOCHEMICAL INDONESIA
105	CONDITION & QUALITY ASSESSMENT OF BOILER UNIT-1 PRESSURE PART COMPONENTS OF TJB POWER PLANT, AUGUST 2022	PT. RIZA UTAMA TEKNIK
106	PENGUJIAN IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA VANE SEGMENT ROW #1 & ROW #2, JULY 2022	PT. NUSCACO HASTELOY TURBINE SERVICES
107	METALLURGICAL ASSESSMENT OF NEW BOILER TUBES/RETURN BEND FOR RETUBING OF PRIMARY SUPERHEATER TUBE PANEL OF BOILER UNIT-1 AT TANJUNG JATI B POWER PLANT, MAY – JULY 2022	PT. RIZA UTAMA TEKNIK
108	METALLURGICAL ASSESSMENT OF CRACKS IN WELDED JOINTS OF FABRICATED TANKS, MAY – JUNE 2022	PT. SARI DUMAI OLEO
109	RESULTS OF DEPOSIT ANALYSIS OF DEPENTANIZER CONDENSER EA-1208 SHELL SIDE DUE TO TUBE LEAKAGE, MAY - JUNE 2022	PT. CHANDRA ASRI PETROCHEMICAL, TBK
110	PEMERIKSAAN KERAK PADA DESALINATION UNIT PLTGU BLOK 1 DAN PLTU 4-5 UP MUARA KARANG, APRIL - MAY 2022	PT. PEMBANGKITAN JAWA-BALI UP MUARA KARANG
111	CONDITION ASSESSMENT OF BOILER TUBES BY IN-SITU METALLOGRAPHIC EXAMINATION, PERTAMINA SIAK-RIAU, APRIL 2022	PT. NUSAKURA PALEMBANG
112	HASIL PENGUJIAN IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA REACTOR 12-R-101 DI KILANG PERTAMINA RU VI BALONGAN, APRIL 2022	PT. KARYA PATRA UTAMA
113	RESULTS OF IN-SITU METALLOGRAPHY AND HARDNESS TEST ON EQUIPMENT IN THE RCC AREA IN 2022 IN PT. PERTAMINA RU VI BALONGAN, MARCH - APRIL 2022	PT. NUSAKURA CIREBON
114	IN-SITU METALLOGRAPHY BY REPLICA TEST FOR MAJOR REPAIR GAS TURBINE PARTS PHR GMF (P-4001), MARCH-APRIL 2022	PT. SULZER INDONESIA
115	FAILURE ANALYSIS OF PLATEN SECONDARY SUPERHEATER TUBES OF BOILER UNIT-2 AT TANJUNG JATI "B" COAL-FIRED POWER PLANT, MARCH-APRIL 2022	PT. RIZA UTAMA TEKNIK
116	DAMAGE ASSESSMENT OF PRIMARY SUPERHEATER TUBE OF BOILER UNIT-1 PLTU TANJUNG JATI B, MARCH 2022	PT. RIZA UTAMA TEKNIK
117	IN-SITU METALLOGRAPHY PADA HGP COMPONENTS GAS TURBINE GE FRAME (1ST STAGE BUCKET, BUCKET SHROUD DAN 1ST STAGE NOZZLE), FEBRUARY 2022	PT. PLN (PERSERO) PUSHARLIS BANDUNG
118	QUALITY CONTROL PEMILIHAN MATERIAL ROUND BAR UNTUK INTERMEDIATE SHAFT, FEBRUARY 2022	PT. BINEKA BAJANAS ANCOL

119	QUALITY CONTROL PEMILIHAN MATERIAL ROUND BAR UNTUK PEMBUATAN GEAR HUB DAN FLANGE PADA INTERMEDIATE SHAFT, FEBRUARY 2022	PT. BINEKA BAJANAS ANCOL
120	IN-SITU METALLOGRAPHY PADA GAS TURBINE GE FRAME 6 (1ST STAGE BUCKER DAN 2ND STAGE BUCKET), JANUARY 2022	PT. PLN (PERSERO) PUSHARLIS BANDUNG
121	IN-SITU METALLOGRAPHY ON COMBUSTION LINER AND TRANSITION PIECE OF GAS TURBINE POWER PLANT DI PT. PLN (PERSERO) PUSHARLIS UP2 WIII BANDUNG, DECEMBER 2021	PT. NUSCACO HASTELOY TURBINE SERVICES
122	PENGUJIAN IN-SITU METALLOGRAPHY DENGAN TEKNIK REPLIKA PADA 1 ST STAGE BUCKET, 2 ND STAGE NOZZLE DAN TRANSITION PIECE, DECEMBER 2021	PT. GMF AEROASIA
123	ONLINE TRAINING: QA/QC MAINTENANCE/OVERHAUL MOTOR LISTRIK, GENERATOR DAN TRANSFORMATOR PEMBANGKIT, 20-23 DECEMBER 2021	PT. PJB ACADEMY
124	REPLICA TESTS ON ELECTRIC HEATER AFTER FIRE ACCIDENT, DECEMBER 2021	PT. CHANDRA ASRI PETROCHEMICAL, TBK
125	ONLINE TRAINING: QA/QC OVERHAUL INSTRUMENTASI DAN KONTROL, 29 NOVEMBER - 02 DECEMBER 2021	PT. PJB ACADEMY
126	REPLICA TESTS ON 1 ST & 2 ND DISCHARGE AND SXB4003D EXPANSION JOINTS, NOVEMBER - DECEMBER 2021	PT. CHANDRA ASRI PETROCHEMICAL, TBK
127	ONLINE TRAINING: QA/QC OVERHAUL MESIN DAN PERALATAN MEKANIK PEMBANGKIT, 15-18 NOVEMBER 2021	PT. PJB ACADEMY
128	IN- SITU METALLOGRAPHY DAN HARDNESS TEST PADA REACTOR 37-R-101A DI KILANG RU VI BALONGAN, NOVEMBER 2021	PT. KARYA PATRA UTAMA
129	REPLICA TESTS ON COMBUSTION LINER FRAME 5 (PHR P-3830), NOVEMBER 2021	PT. SULZER INDONESIA
130	IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA SAAT COC UNIT AHU #13 TAHUN 2021 DI KILANG PERTAMINA RU VI BALONGAN, OCTOBER - NOVEMBER 2021	PT. SUCOFINDO CAB. CIREBON
131	ANALYSIS OF FLY ASH DEPOSIT AND FOAM SLUDGE DEPOSIT, OCTOBER 2021	PT. SHENHUA GUOHUA PEMBANGKITAN JAWA BALI (PLTU JAWA VII)
132	REPLICA TESTS ON BANK SIDEWALL TUBES OF BOILER-C (BF-2101), SEPTEMBER 2021	PT. CHANDRA ASRI PETROCHEMICAL, TBK
133	REPLICA TESTS ON FLARE PIPELINE 56"-WF-9 (A21A) & 10(A21R), SEPTEMBER 2021	PT. CHANDRA ASRI PETROCHEMICAL, TBK
134	REPLICA TESTS ON STEAM TURBINE ROTOR, SEPTEMBER 2021	PT. SULZER INDONESIA
135	FAILURE ANALYSIS OF CRACK ON GAS INLET NOZZLE OF FURNACE BA-108, SEPTEMBER 2021	PT. CHANDRA ASRI PETROCHEMICAL, TBK
136	ADDITIONAL TEST FOR METALLURGICAL FAILURE ANALYSIS OF REACTOR FIRST CONDENSER TUBE BE-112, SEPTEMBER 2021	PT. INEOS AROMATICS INDONESIA
137	FAILURE ANALYSIS OF WELDING DEFECT AT TUBE PASS 6 COIL 4 OF FURNACE BA-101, SEPTEMBER 2021	PT. CHANDRA ASRI PETROCHEMICAL, TBK
138	IN-SITU METALLOGRAPHIC EXAMINATION ON 3 (THREE) STORAGE TANKS RELATED TO A FIRE ACCIDENT AND RESIDUAL LIFE ASSESSMENT, AGUSTUS - SEPTEMBER 2021	PT. SARI DUMAI OLEO
139	METALLURGY CHECK OF HE TUBES 2E-509 AND 2E-504, AGUSTUS 2021	PT. SOCI MAS MEDAN
140	REPLICA TESTS ON GE GAS TURBINE FRAME-1, AGUSTUS 2021	PT. SULZER INDONESIA
141	JASA ASSESSMENT BOILER UNIT 3 UPK PANGKALAN SUSU DI PT. PLN (PERSERO) UNIT PELAKSANA PEMBANGKITAN PANGKALAN SUSU, AGUSTUS 2021	PT. PLN PANGKALAN SUSU
142	FAILURE ANALYSIS ON CUT INSERT PLATE OF SHELL STEAM DRUM HP BOILER SPLITTER P2, JULY - AGUSTUS 2021	PT. SOCI MAS MEDAN
143	METALLURGICAL FAILURE ANALYSIS OF REACTOR FIRST CONDENSER TUBE BE-112, MAY 2021	PT. INEOS AROMATICS INDONESIA

144	ONLINE TRAINING: METALLURGICAL FAILURE ANALYSIS OF POWER PLANT EQUIPMENT, MAY 2021	PT. PJB ACADEMY
145	ONLINE TRAINING: QA/QC MAINTENANCE MESIN DAN PERALATAN MEKANIK PEMBANGKIT, BATCH-2, 24 - 28 MAY 2021	PT. PJB ACADEMY
146	MIXED FEED SHIELD COIL MK "A" OF FURNACE BA-108, APRIL-MAY 2021	PT. CHANDRA ASRI PETROCHEMICAL, TBK
147	FAILURE ANALYSIS OF HE TUBE 2E-504, APRIL - MAY 2021	PT. SOCI MAS MEDAN
148	ONLINE TRAINING: QA/QC MAINTENANCE MESIN DAN PERALATAN MEKANIK PEMBANGKIT, BATCH-1, 26 - 29 APRIL 2021	PT. PJB ACADEMY
149	ONLINE TRAINING: QA/QC OVERHAUL MESIN DAN PERALATAN MEKANIK PEMBANGKIT, 5 - 8 APRIL 2021	PT. PJB ACADEMY
150	IN-SITU METALLOGRAPHY ON FURNACE TUBES AB-101B, MARCH - APRIL 2021	PT. INEOS AROMATICS INDONESIA
151	ANALISA KERAK PENGOTOR CHECK VALVE, MARCH - APRIL 2021	PT. PJB MUARA KARANG
152	IN-SITU METALLOGRAPHIC EXAMINATION BY REPLICA TECHNIQUE ON STEAM TURBINE DIAPHRAGMS AT DARAJAT, GARUT, FEBRUARY - MARET 2021	PT. SULZER INDONESIA
153	REPLICA TESTS ON GAS TURBINE ROTOR GE FRAME 5LA, JANUARY 2021	PT. SULZER INDONESIA
154	REPLICA TESTS ON LMPH AND RADIANT TUBES OF FURNACE BA-109, JANUARY 2021	PT. CHANDRA ASRI PETROCHEMICAL, TBK
155	XRD ANALYSIS ON SCALE/DEPOSIT OF POWER PLANT EQUIPMENT, DECEMBER 2020	PT. SHENHUA GUOHUA PEMBANGKITAN JAWA BALI (PLTU JAWA 7)
156	IN-SITU METALLOGRAPHY PADA MATERIAL HOT GAS PATH COMPONENTS GE FRAME 5 & 6, SEPTEMBER - NOVEMBER 2020	PT. GMF AEROASIA
157	IN-SITU METALLOGRAPHY PADA 1ST STAGE NOZZLE SEGMENT, SEPTEMBER - OCTOBER 2020	PT. NHTS
158	IN-SITU METALLOGRAPHIC EXAMINATION AND HARDNESS TEST OF PRESTRIPPER/ DEODORIZER VESSEL OF A PALM OIL REFINERY UNIT AFTER BEING EXPOSED TO THE FIRE, SEPTEMBER 2020	JJ-LURGI ENGINEERING SDN. BHD.
159	REPLICA TEST ON BOILER C COMPONENTS, AGUSTUS - SEPTEMBER 2020	PT. CHANDRA ASRI PETROCHEMICAL, TBK
160	IN-SITU METALLOGRAPHY PADA GT HOT PATH COMPONENTS (NOZZLES, TRANSITION PIECES AND COMBUSTION LINERS), JULY 2020	PT. PLN (PERSERO) PUSHARLIS UP2W III, BANDUNG
161	REPLICA TEST ON TOP RETURN BENDS AND LMPH TUBES OF FURNACE BA-101, JUNE - JULY 2020	PT. CHANDRA ASRI PETROCHEMICAL, TBK
162	ONLINE TRAINING: QA/QC OVERHAUL MESIN DAN PERALATAN MEKANIK PEMBANGKIT, BATCH-2, JUNE 2020	PT. PJB UNIT PJB ACADEMY
163	ONLINE TRAINING: QA/QC OVERHAUL MESIN DAN PERALATAN MEKANIK PEMBANGKIT, BATCH-1, MAY 2020	PT. PJB UNIT PJB ACADEMY
164	IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA SAAT COC UNIT AHU #12 TAHUN 2020 DI KILANG PERTAMINA RU VI BALONGAN, MARCH - MAY 2020	PT. SUCOFINDO (PERSERO) CABANG CIREBON
165	IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA PERALATAN DI AREA CDU & RCC SAAT PIT STOP TAHUN 2020 DI KILANG PERTAMINA RU VI BALONGAN, MARCH-APRIL 2020	PT. NUSAKURA STANDARINDO CABANG CIREBON
166	REPLICA TEST ON LMPH TUBES OF CRACKING FURNACE BA-105, MARET-APRIL 2020	PT. CHANDRA ASRI PETROCHEMICAL, TBK
167	LABORATORY EXAMINATION ON CARBON STEEL PIPES, MARET 2020	PT. PARADISE PERKASA
168	QUALITY CONTROL PEMILIHAN ROUND BAR MATERIAL INTERMEDIATE SHAFT, FEBRUARY - MARCH 2020	PT. PERTAMINA (PERSERO) RU V BALIKPAPAN

169	IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA ROTOR BLADE STAGE 1 & 2 DAN STATOR VANE STAGE 1 & 2, FEBRUARY - MARCH 2020	PT. NHTS
170	PENGUJIAN LABORATORIUM SCALE/DEPOSIT YANG BERASAL DARI HPTBV (HIGH PRESSURE TURBINE BYPASS VALVE) HRSG 2.2 PLTGU BLOK-2, FEBRUARY 2020	PT. PJB UP MUARA KARANG
171	IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA EV BURNER, FRONT SEGMENT DAN LANCE, JANUARY-FEBRUARY 2020	PT. NHTS
172	IN-SITU METALLOGRAFI DENGAN TEKNIK REPLIKA PADA 1ST STAGE BUCKET DAN 2ND STAGE BUCKET, JANUARY-FEBRUARY 2020	PT. GMF AEROASIA
173	JASA RLA HRSG 3.1 LEVEL 3, NOVEMBER 2019 - JANUARI 2020	PT. PJB UNIT PEMBANGKITAN GRESIK
174	ON-SITE METALLURGICAL ASSESSMENT OF BFW CONVECTION SECTION OF FURNACE BA-105, SEPTEMBER 2019	PT. CHANDRA ASRI PETROCHEMICAL, TBK
175	PENGUJIAN IN-SITU METALLOGRAPHY DENGAN TEKNIK REPLIKA PADA BOILER 2001B FURNACE FRONT WALL TUBE, SEPTEMBER 2019	PT. CHANDRA ASRI PETROCHEMICAL, TBK
176	ON-SITE AND LABORATORY EXAMINATIONS OF STRUCTURAL BEAMS, SEPTEMBER 2019	PT. SARI DUMAI SEJATI, RIAU
177	IN-SITU METALLOGRAPHIC EXAMINATION AND HARDNESS TEST OF VARIOUS EQUIPMENT PACKAGES DI PT CHANDRA ASRI PETROCHEMICAL, AGUSTUS-SEPTEMBER 2019	PT. BIRO KLASIFIKASI INDONESIA, BANTEN
178	IN-SITU METALLOGRAPHY DENGAN TEKNIK REPLIKA PADA VANE SEGMENT ROW #1 DAN TURBINE BLADE ROW #3, JULI-AGUSTUS 2019	PT. GMF AEROASIA
179	LABORATORY EXAMINATION ON PIPE SAMPLES, JULI 2019	PT. SARI DUMAI SEJATI, RIAU
180	QC IN FABRICATION OF INTERMEDIATE SHAFT, JUNI-JULI 2019	PT. PERTAMINA (PERSERO) RU V BALIKPAPAN
181	DESTRUCTIVE TESTS OF TURBINE BLADE ROW # 1, ROW # 2 DAN ROW # 3, JUNI-JULI 2019	PT. GMF AEROASIA
182	HASIL PENGUJIAN IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA FURNACE 13-F-101 DAN REACTOR 13-R-101, APRIL - MEI 2019	PT. PERTAMINA RU VI BALONGAN INDRAMAYU
183	JASA ANALISA KOMPOSISI DEPOSIT FILTER LUBE OIL ST 1.4. APRIL 2019	PT. PJB UP MUARA TAWAR
184	IN-SITU METALLOGRAPHY DENGAN TEKNIK REPLIKA PADA VANE SEGMENT ROW 1 & 2 DAN RING SHROUD SEGMENT ROW 2, MARET 2019	PT. GMF AEROASIA
185	PENGUJIAN LABORATORIUM TEMUAN SCALE/DEPOSIT PADA GAS SEPARATOR DAN TCA STRAINER PLTGU BLOK 2, FEBRUARI 2019	PT. PJB UP MUARA KARANG
186	JASA ANALISA KOMPOSISI DEPOSIT HRSG 5.1 DAN HRSG 1.3, JANUARI - FEBRUARI 2019	PT. PJB UP MUARA TAWAR
187	PENGUJIAN IN-SITU METALLOGRAPHY PADA BUCKET 1 ST STAGE GAS TURBINE PLTGU TALANG DUKU, JANUARI-FEBRUARI 2019	PT. PLN (PERSERO) PUSHARLIS UP2WIII BANDUNG
188	PEKERJAAN IN-SITU METALLOGRAPHY PADA MIXER DAN BEAM STRUCTURE DI PT. HUSTMAN INDONESIA, JANUARI-FEBRUARI 2019	PT. SUCOFINDO (PERSERO)
189	FAILURE ANALYSIS OF FEED PREHEATER TUBE BE-504B, JANUARI-FEBRUARY 2019	PT. BP PETROCHEMICALS INDONESIA
190	PENGUJIAN IN-SITU METALLOGRAPHY PADA GAS TURBINE HOT PARTS PLTGU TALANG DUKU, JANUARY 2019	PT. PLN (PERSERO) PUSHARLIS UP2WIII BANDUNG
191	ANALISA SAMPLE SERBUK (SCALE) YANG TERJADI PADA H2 GENERATOR PLTGU BLOK-2, DECEMBER 2018	PT. PJB UP MUARA KARANG
192	JASA DESTRUCTIVE TEST TUBE HEAT RECOVERY STEAM GENERATOR (HRSG) BOILER PLTU 1, AUGUST-OCTOBER 2018	PT. PJB UNIT PEMBANGKITAN GRESIK
193	METALLURGICAL ASSESSMENT HASIL PEKERJAAN REPAIR BUCKET 1 ST STAGE, NOZZLE 1 ST STAGE, TRANSITION PIECE, COMBUSTION LINER, DAN SHROUD 1 ST STAGE YANG DILAKUKAN PT. NUSCACO HASTELOY TURBINE SERVICES, NOVEMBER 2018	PT. NUSCACO HASTELOY TURBINE SERVICES
194	ROOT CAUSE FAILURE ANALYSIS OF WATER WALL BOILER TUBE, OCTOBER/NOVEMBER 2018	PT. ECOLAB INTERNATIONAL INDONESIA
195	PEKERJAAN JASA IN-SITU METALLOGRAPHY PADA BOILER 550-B-MHI DAN BOILER STORK DI PT. PERTAMINA RU II – DUMAI, SEPTEMBER 2018	PT. NUSAKURA STANDARINDO

196	ROOT CAUSE FAILURE ANALYSIS (RCFA) TUBE HEATER 87F201, TUBE HE 12E1B, TUBE HE 14E4C, TUBE HE 24E3, TUBE HE 24E10, TUBE HE 24E18, TUBE BOILER 151B501A, JULY-SEPTEMBER 2018	PT. PERTAMINA (PERSERO) RU IV CILACAP
197	JASA DESTRUCTIVE TEST TUBE HEAT RECOVERY STEAM GENERATOR (HRSG) 1.1; 2.3; 3.2; 3.3 DAN BOILER PLTU 2, FEBRUARY – MAY 2018	PT. PJB UNIT PEMBANGKITAN GRESIK
198	PENGUJIAN IN-SITU METALOGRAFI DENGAN TEKNIK REPLIKA PADA CT-2 STATOR ASSY, JANUARY 2018	PT. GMF AEROASIA
199	PENGUJIAN IN-SITU METALOGRAFI DENGAN TEKNIK REPLIKA PADA INDUCER STATOR PT-1, JANUARY 2018	PT. GMF AEROASIA
200	REMAINING LIFE ASSESSMENT (RLA) CFB BOILER PT. SUMBER ALAM SEKURAU, JANUARY 2018	PT. PRIMA ENERGI CONSULT
201	ROOT CAUSE FAILURE ANALYSIS OF LEAKED RADIANT TUBE 025 F-101 AND ASSESSMENT OF LEAKED LINE PIPE CRUDE LN 11-8C (AREA FOC I) PERTAMINA RU IV, OCTOBER 2017	PT. PERTAMINA RU IV, CILACAP
202	PROSES INDUKSI HARDENING DAN PENGADAAN RAW MATERIAL GEAR HUB PADA PABRIKASI INTERMEDIATE SHAFT KK-3-02B PERTAMINA RU V, SEPTEMBER 2017	PT. PERTAMINA RU V, BALIKPAPAN
203	KONSULTASI ANALISA HASIL UJI IN-SITU METALLOGRAPHY DI PERTAMINA RU VI BALONGAN (REACTOR 13-R-101, 13-R-102, 13-R-103 DAN FURNACE 13F-101), SEPTEMBER 2017	PT. BIRO KLASIFIKASI INDONESIA, CABANG CIREBON
204	DESTRUCTIVE TEST OF TURBINE BLADE ROW #1, ROW #2 DAN ROW #3 MITSUBISHI MW701D, AUGUST/SEPTEMBER 2017	PT. GMF AEROASIA
205	DESTRUCTIVE TEST OF TURBINE VANE ROW #1 DAN ROW #2 MITSUBISHI MW701D, AUGUST/SEPTEMBER 2017	PT. GMF AEROASIA
206	UJI METALOGRAFI LAPISAN COATING PADA PELAT HASTELLOY-X DAN PELAT SUS-304, AUGUST/SEPTEMBER 2017	PT. NHTS
207	IN-SITU METALLOGRAPHIC EXAMINATION OF GAS TURBINE ROTOR AND COMPRESSOR SHAFT OF POWER PLANT, PT. INDONESIA POWER, TANJUNG PRIOK, JULY/AUGUST 2017	PT. GE INDONESIA
208	QC MATERIAL AND INSPECTION PABRIKASI INTERMEDIATE SHAFT KK-3-02A/B/C PERTAMINA RU V, BALIKPAPAN, AGUSTUS 2017	PT. NHTS
209	UJI METALOGRAFI DAN HARDNESS TEST PADA 1 ST STAGE NOZZLE GE FRAME 5, JULI/AGUSTUS 2017	PT. NHTS
210	QC ROUND BAR MATERIAL INTERMEDIATE SHAFT PERTAMINA RU V BALIKPAPAN, JULY 2017	PT. PERTAMINA RU V, BALIKPAPAN
211	IN-SITU METALLOGRAPHIC EXAMINATION OF STEAM TURBINE ROTOR AND BLADES OF COAL FIRED POWER PLANT, PT. INDONESIA POWER, LABUAN - BANTEN, JUNY 2017	PT. SULZER INDONESIA
212	METALLURGICAL ASSESSMENT OF LEAKED CONVERTER, PT. BASF INDONESIA, JUNI 2017	PT. BONNE INDO TEKNIK
213	CHEMICAL COMPOSITION ANALYSIS MATERIAL 2 ND STAGE SHROUD GE FRAME 6B AND MATERIAL 1 ST & 2 ND STAGE SHROUD GE FRAME 5, MAY 2017	PT. GMF AEROASIA
214	IN-SITU METALLOGRAPHIC EXAMINATION OF GAS TURBINE ROTOR COMPONENTS, APRIL 2017	PT. SULZER INDONESIA
215	FAILURE ANALYSIS OF A CRACKED STEAM TURBINE BLADE, APRIL 2017	PT. SULZER INDONESIA
216	PENGUJIAN IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA FURNACE 12-F-101 DAN REACTOR 12-R-101 (PT. PERTAMINA RU VI BALONGAN), APRIL 2017	PT. BIRO KLASIFIKASI INDONESIA, CABANG CIREBON
217	PENGUJIAN IN-SITU METALOGRAFI DENGAN TEKNIK REPLIKA PADA COMBUSTION LINER GT 1.1 DAN GT 1.3, MARET 2017	PT. GMF AEROASIA
218	PENGUJIAN IN-SITU METALOGRAFI DENGAN TEKNIK REPLIKA PADA TRANSITION PIECE GT 1,1 DAN GT 1.3, MARET 2017	PT. GMF AEROASIA
219	PENGUJIAN IN-SITU METALLOGRAPHY (REPLIKA) DAN HARDNESS TEST PADA HEATER COIL TUBE FURNACE 11-F-101,	PT. REGRAHTA

	PT. PERTAMINA RU VI BALONGAN, FEBRUARY 2017	
220	PENGUJIAN TUBE HEAT RECOVERY STEAM GENERATOR (HRSG) GT 1.3 PT. PJB UNIT PEMBANGKITAN MUARA TAWAR, JANUARY 2017	PT. PEMBANGKITAN JAWA BALI UNIT PELAYANAN PEMELIHARAAN WILAYAH BARAT
221	UJI REPLIKA PADA TUBE BOILER PLTU UNIT SEBALANG, LAMPUNG, DECEMBER 2016	PT. GAMMA MANDIRI TEKNIK
222	UJI REPLIKA PADA TURBINE DIAPHRAGM ROW#5/ SUBSTITUSI, DECEMBER 2016	PT. NUSCACO HASTELOY TURBINE SERVICES
223	EXAMINATION AND ASSESSMENT OF HP STEAM PIPE MATERIAL, NOVEMBER 2016	PT. SARI DUMAI SEJATI
224	UJI LABORATORIUM PADA TURBINE DIAPHRAGM ROW #5 YANG KEROPOS, NOVEMBER 2016	PT. NUSCACO HASTELOY TURBINE SERVICES
225	DESTRUCTIVE TEST TUBE HRSG 1.2 PT. PJB UP GRESIK, OCTOBER/NOVEMBER 2016	PT. PEMBANGKITAN JAWA BALI UP GRESIK
226	DESTRUCTIVE TEST SECONDARY SUPERHEATER TUBE BOILER PLTU UNIT 4 PT. PJB UP GRESIK, OCTOBER/NOVEMBER 2016	PT. PEMBANGKITAN JAWA BALI UP GRESIK
227	UJI REPLIKA PADA TURBINE BLADE AFTER HEAT TREATMENT, OCTOBER 2016	PT. NUSCACO HASTELOY TURBINE SERVICES
228	UJI REPLIKA PADA TURBINE BLADE ROW#3 DAN ROW#4 SERTA DIAPHRAGM ROW#3 DAN ROW#5, OCTOBER 2016	PT. NUSCACO HASTELOY TURBINE SERVICES
229	UJI CREEP DAN UJI TARIK MATERIAL HP SH-1 DAN HP EVAPORATOR TUBE HRSG GT 1.3 UP MUARA KARANG, SEPTEMBER 2016	PT. PEMBANGKITAN JAWA BALI UNIT PELAYANAN PEMELIHARAAN WILAYAH BARAT
230	ANALISA LUBRICATING OIL YANG DIGUNAKAN PADA KOMPRESOR DI PLTGU UP MUARA TAWAR, SEPTEMBER 2016	PT. PJB UP MUARA TAWAR
231	DESTRUCTIVE TEST HASIL WELD PATCHING PADA MATERIAL STATOR BLADE STAGE-1 (TYPE SIEMENS V94.2), AUGUST 2016	PT. GMF AEROASIA
232	ANALISA DEPOSIT PADA HP-LP DRUM UP MUARA KARANG, AUGUST 2016	PT. PEMBANGKITAN JAWA BALI, UNIT PELAYANAN PEMELIHARAAN WILAYAH BARAT
233	ANALISA DEPOSIT YANG TERBENTUK PADA BURNER PLTG UP MUARA TAWAR, JULI 2016	PT. PEMBANGKITAN JAWA BALI UP MUARA TAWAR
234	FAILURE ANALYSIS OF A BURST RETURN BEND OF A HEAT-EXCHANGER, JULY 2016	PT. CABOT INDONESIA
235	METALLURGICAL INSPECTION OF POST-SERVICE HEAT-EXCHANGER TUBES AND U-BENDS, JUNE 2016	PT. CABOT INDONESIA
236	FIELD TESTING AND EXAMINATION OF SHELL OH CONDENSER SYSTEM BE-113 AND LABORATORY FAILURE ANALYSIS OF STEAM PIPE-ELBOW BE-113, MAY/JUNE 2016	PT. BP PETROCHEMICALS INDONESIA
237	ASSESSMENT BY IN-SITU METALLOGRAPHY ON TRANSITION PIECE GAS TURBINE GE FRAME-9, MAY 2016	PT. GMF AEROASIA
238	ASSESSMENT BY IN-SITU METALLOGRAPHY ON COMBUSTION LINER GAS TURBINE GE FRAME-9, MAY 2016	PT. GMF AEROASIA
239	BOILER ASSESSMENT PLTU UNIT-1 AMURANG, MINAHASA SELATAN, APRIL 2016	PT. PJB SERVICES
240	ASSESSMENT BY IN-SITU METALLOGRAPHY ON STATOR BLADE STAGE-1 SIEMENS V94.2, APRIL 2016	PT. GMF AEROASIA
241	REMAINING LIFE ASSESSMENT OF HP SUPERHEATER TUBE OF HRSG 1.2 UP MUARA KARANG BY CREEP AND TENSILE TESTS, JANUARY/FEBRUARY 2016	PT. PEMBANGKITAN JAWA BALI, UNIT PELAYANAN PEMELIHARAAN WIL-BARAT
242	CHARACTERIZATION AND ANALYSIS OF STEAM TURBINE DEPOSIT OF LP TURBINE ST 1.4 PLTGU UP MUARA TAWAR, JANUARY 2016	PT. PJB, UNIT PELAYANAN PEMELIHARAAN WIL-BARAT
243	ASSESSMENT BY IN-SITU METALLOGRAPHY ON 1ST STAGE NOZZLE GAS	PT. GMF AEROASIA

	TURBINE GE FRAME-9, JANUARY 2016	
244	ASSESSMENT BY IN-SITU METALLOGRAPHY ON COMBUSTION LINER GAS TURBINE GE FRAME-9, NOVEMBER 2015	PT. GMF AEROASIA
245	ASSESSMENT BY IN-SITU METALLOGRAPHY ON TRANSITION PIECE GAS TURBINE GE FRAME-9, DECEMBER 2015	PT. GMF AEROASIA
246	DESTRUCTIVE TEST OF GAS TURBINE BLADES ROW # 1, ROW # 2 AND ROW # 3 MITSUBISHI MW701 D, JULI 2015	PT. GMF AEROASIA
247	JASA PENGUJIAN TUBING HRSG GTG 1.1 UP MUARA KARANG, JUNI 2015	PT. PJB UPHB
248	MPI AND METALLURGICAL EXAMINATION OF POST-SERVICE STEEL BOLTS OF STORAGE TANK-201, JUNI 2015	PT. CABOT INDONESIA
249	BOILER TUBE MPI AND UT TESTS (NON-DESTRUCTIVE EVALUATION OF CL BOILER TUBE EVAPORATOR BANK-2, MEI 2015	PT. CABOT INDONESIA
250	PEKERJAAN UJI DEPOSIT LP DAN HP DRUM HRSG BLOK-5 PT. PJB UP MUARA TAWAR, MEI 2015	PT. PJB SERVICES
251	PENGUJIAN IN-SITU METALLOGRAPHY DENGAN TEKNIK REPLIKA PADA COMBUSTION LINER, TRANSITION PIECE DAN VANE ROW#1, APRIL 2015	PT. GMF AERO ASIA
252	PENGUJIAN IN-SITU METALLOGRAPHY DENGAN TEKNIK REPLIKA PADA FIRST STAGE NOZZLE, SECOND STAGE NOZZLE, THIRD STAGE NOZZLE DAN VANE ROW#2, APRIL 2015	PT. GMF AERO ASIA
253	PENGUJIAN IN-SITU METALLOGRAPHY DENGAN TEKNIK REPLIKA PADA COMBUSTION LINER GE FRAME 9 DAN TRANSITION PIECE GE FRAME 9E, MARET 2015	PT. GMF AERO ASIA
254	FAILURE ANALYSIS OF A BROKEN TRUNNION SHAFT OF DRYER CL-2, FEBRUARI 2015	PT. CABOT INDONESIA
255	ANALISA DEPOSIT GENERATOR OH GT 1.1 MUARA KARANG, JANUARI 2015	PT. PJB UPHB
256	ASSESSMENT OF A DEFECTIVE MACHINED AL-ALLOY AILERON BLOCK, DECEMBER 2014	PT. GOODRICH PINDAD AERONAUTICAL SYSTEM INDONESIA
257	ASSESSMENT OF TURBOCHARGER NOZZLE RINGS, DECEMBER 2014	PT. NUSCACO HASTELOY TURBINE SERVICES
258	ASSESSMENT OF SECOND STAGE NOZZLE BY IN-SITU METALLOGRAPHY, DECEMBER 2014	PT. NUSCACO HASTELOY TURBINE SERVICES
259	ASSESSMENT OF VALVE GUIDE, SHROUD RING AND SEAL RING OF DIESEL ENGINE, DECEMBER 2014	PT. NUSCACO HASTELOY TURBINE SERVICES
260	METALLURGICAL ASSESSMENT OF DRYER CL-2 BY IN-SITU METALLOGRAPHIC INSPECTION, DECEMBER 2014	PT. CABOT INDONESIA
261	FABRIKASI INTERMEDIATE SHAFT COMPRESSOR KK-03-02A, DECEMBER 2014	PT. PERTAMINA (PERSERO) RU V BALIKPAPAN
262	PEKERJAAN UJI DEPOSIT LP DAN HP DRUM HRSG 1.3 UP MUARA TAWAR, NOPEMBER 2014	PT. PJB UPHB
263	PEKERJAAN UJI DEPOSIT OIL COOLER, STATOR END WINDING DAN ROTOR RETAINING RING GENERATOR STG 1.0 UP MUARA KARANG, SEPTEMBER 2014	PT. PJB UPHB
264	ROOT CAUSE FAILURE ANALYSIS OF A CRACKED CAGE SUPERHEATER TUBE, AUGUST 2014	PT. SARI DUMAI SEJATI
265	FAILURE ANALYSIS OF PTA FEED PREHEATER TUBES BE-505A, AUGUST 2014	PT. BP PETROCHEMICALS INDONESIA
266	ANALISA DEPOSIT PERALATAN HRSG 1.1 PT. PJB UP MUARA TAWAR, JULI 2014	PT. PJB UPHB
267	PEKERJAAN UJI DEPOSIT PLTU UNIT-5 UP MUARA KARANG, JUNI 2014	PT. PJB UPHB
268	ANALISA DEPOSIT PERALATAN HRSG 1.2 PT. PJB UP MUARA TAWAR, JUNI 2014	PT. PJB UPHB
269	IN-SITU METALLOGRAPHIC INSPECTION OF HEAT-EXCHANGERS ME-1A AND ME-1B, MAY/JUNE 2014	PT. CABOT INDONESIA
270	IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA BOILER PLTU NAGAN RAYA, ACEH, MARET 2014	PT. PRIMA ENERGI CONSULT

271	IN-SITU METALLOGRAPHIC INSPECTION TURBINE DISKS AND COMPRESSOR DISKS GT 2.2 – BELAWAN, JANUARY 2014	PT. NUSANTARA TURBIN DAN PROPULSI
272	IN-SITU METALLOGRAPHIC INSPECTION ON TOP DOMES AND HOUSING CHAMBERS OF GAS TURBINE GT 2.2 – BELAWAN, DECEMBER 2013	PT. NUSANTARA TURBIN DAN PROPULSI
273	FAILURE ANALYSIS OF DAMAGED HOT GAS PATH COMPONENTS OF GAS TURBINE POWER PLANT UNI-1, OCTOBER 2013	PT. ASTA KERAMASAN ENERGI
274	FAILURE ANALYSIS OF DAMAGED HOT GAS PATH COMPONENTS OF GAS TURBINE POWER PLANT UNI-2, SEPTEMBER/OCTOBER 2013	PT. ASTA KERAMASAN ENERGI
275	ROOT CAUSE FAILURE ANALYSIS OF GEARBOX QUILL (INTERMEDIATE) SHAFT COMPRESSORS KK-3-02 A/B/C, AUGUST 2013	PT. PERTAMINA (PERSERO) RU V
276	METALLURGICAL FAILURE ANALYSIS OF A BROKEN BEARING SHAFT OF THIRD CRYSTALLIZER BD-603, APRIL/MAY 2013	PT. AMOCO MITSUI PTA INDONESIA
277	REMAINING LIFE ASSESSMENT HRSG 1.3 PT. PJB UP MUARA TAWAR, FEBRUARI/MARET 2013	PT. PJB UNIT PELAYANAN PEMELIHARAAN WILAYAH BARAT
278	IN-SITU METALLOGRAPHIC INSPECTION ON DRYER ME-1, JANUARY/FEBRUARY 2013	PT. CABOT INDONESIA
279	JASA PEKERJAAN ASSESSMENT RLA HRSG 1.2 PT. PJB UNIT PEMBANGKITAN MUARA TAWAR, NOVEMBER 2012	PT. PJB UNIT PELAYANAN PEMELIHARAAN WILAYAH BARAT
280	REMAINING LIFE ASSESSMENT HRSG 1.1 PT. PJB UP MUARA TAWAR, OCTOBER/NOVEMBER 2012	PT. PJB UNIT PELAYANAN PEMELIHARAAN WILAYAH BARAT
281	METALLURGICAL ASSESSMENT ON SHELL PLATES OF DRYER DRUM ME-1, OCTOBER/NOVEMBER 2012	PT. CABOT INDONESIA
282	DAMAGE INVESTIGATION ON POLYCHEM PUMP, SEPTEMBER/NOVEMBER 2012	PT. AMOCO MITSUI PTA INDONESIA
283	METALLURGY ASSESSMENT FOR DESALT TUBE, SEPTEMBER/NOVEMBER 2012	PT. AMOCO MITSUI PTA INDONESIA
284	IN-SITU METALLOGRAPHIC EXAMINATION AND HARDNESS TEST ON CASING COMBUSTION CHAMBER, SEPTEMBER/OKTOBER 2012	PT. MAPANA DAYA PRIMA
285	FAILURE ANALYSIS OF SUPERHEATER STEAM BOILER TUBE, SEPTEMBER/OCTOBER 2012	PT. MULTI NITROTAMA KIMIA (MNK) KAWASAN INDUSTRI KUJANG CIKAMPEK, JAWA BARAT
286	JASA PEKERJAAN ASSESSMENT RLA HRSG 1.1 PT. PJB UNIT PEMBANGKITAN MUARA TAWAR, AGUSTUS/SEPTEMBER 2012	PT. PJB UNIT PELAYANAN PEMELIHARAAN WILAYAH BARAT
287	IN-SITU METALLOGRAPHY DAN HARDNESS TEST PADA HORIZONTAL CRACK CASING AIR COMPRESSOR 102-KB, AGUSTUS 2012	PT. MULTI NITROTAMA KIMIA (MNK) KAWASAN INDUSTRI KUJANG CIKAMPEK
288	ROOT CAUSE FAILURE ANALYSIS AND REMAINING LIFE ASSESSMENT ON CONVECTION TUBE OF FURNACE 025F-101 AREA LOC II, JULY/AUGUST 2012	PT. PERTAMINA (PERSERO) RU IV CILACAP, JAWA TENGAH
289	FAILURE ANALYSIS OF DAMAGED WHEEL STUDS AND NUTS OF LIGHT VEHICLES USED IN SUPPORTING A COAL MINE OPERATION, JUNE/JULY 2012	PT. PETROSEA, TBK JAKARTA
290	IN-SITU METALLOGRAPHIC INSPECTION ON WELD REPAIRED OUTER SHELL CRACKS OF DRYER DRUM CL-2, JUNE 2012	PT. CABOT INDONESIA CILEGON, BANTEN
291	ROOT CAUSE FAILURE ANALYSIS OF BROKEN FLIGHT ARMS OF BP-703 PTA SCREW FEEDER, MARCH/APRIL 2012	PT. AMOCO MITSUI PTA INDONESIA
292	FAILURE ANALYSIS ON A RUPTURED EXPANSION BELLOWS OF BE-505B PTA PRE-HEATER AND IN-SITU METALLOGRAPHIC INSPECTION ON CHANNEL COVERS AND EXPANSION BELLOWS OF DIFFERENT PTA PRE-HEATERS, FEBRUARY/MARCH 2012	PT. AMOCO MITSUI PTA INDONESIA
293	UNEX-212 METALLURGY RISK ASSESSMENT,	PT. AMOCO MITSUI PTA

	FEBRUARY/MARCH 2012	INDONESIA
294	IN-SITU METALLOGRAPHIC INSPECTION ON DRYER DRUM ME-2, NOVEMBER 2011	PT. CABOT INDONESIA
295	PENGUJIAN IN-SITU METALLOGRAPHY DAN KEKERASAN PADA PIPE/TUBE FURNACE 14-F-102, NOVEMBER 2011	PT. PERTAMINA (PERSERO) RU VI BALONGAN
296	IN-SITU METALLOGRAPHIC ASSESSMENT PADA GAS TURBINE BLADES (BUCKETS) PLTG PT. INDONESIA POWER UBP BALI, OKTOBER/NOVEMBER 2011	PT. INDONESIA POWER UBP BALI
297	FAILURE ANALYSIS ON PLATE SAMPLES OF PD2 DRYER SHELL, AUGUST/SEPTEMBER 2011	CABOT MALAYSIA SDN BHD
298	ASSESSMENT OF PD2 DRYER BY IN-SITU METALLOGRAPHIC INSPECTION, JUNE/JULY 2011	CABOT MALAYSIA SDN BHD
299	FAILURE ANALYSIS ON MOTOR COMPRESSOR BEARINGS OF KGM-3 CHILLER, JUNE/JULY 2011	KELAPA GADING MALL, PT. SUMMARECON AGUNG, TBK
300	JASA ASSESSMENT COMBUSTOR CASING GT 2.2 UP MUARA TAWAR, JANUARY 2011	PT. PEMBANGKITAN JAWA BALI, UNIT PEMBANGKITAN MUARA TAWAR
301	ROOT CAUSE FAILURE ANALYSIS OF BROKEN SHAFT OF SCR 3H ROLL MILL STAND, JANUARY 2011	PT. TEMBAGA MULIA SEMANAN, TBK
302	ASSESSMENT OF A TAIL GAS FIRED BOILER BY WALL THICKNESS MEASUREMENT, DECEMBER 2010/JANUARY 2011	PT. CABOT INDONESIA
303	ASSESSMENT ROTOR GT 2.1 UP MUARA TAWAR DENGAN TEKNIK IN-SITU METALLOGRAPHY DAN HARDNESS TEST, NOVEMBER 2010	PT. PEMBANGKITAN JAWA BALI, UP MUARA TAWAR
304	IN-SITU METALLOGRAPHIC INSPECTION ON DRYER DRUM ME-2, AUGUST 2010	PT. CABOT INDONESIA
305	REMAINING LIFE ASSESSMENT OF FURNACE TUBES (AB101B AND BB-1813), JULY 2010	PT. AMOCO MITSUI PTA INDONESIA
306	METALLURGICAL ASSESSMENT OF ME-1B AIR PREHEATER TUBE COMPENSATORS, MAY/JUNE 2010	PT. CABOT INDONESIA
307	REMAINING LIFE ASSESSMENT (RLA) HRSG 2.1 PLTGU UP GRESIK, MEI 2010	PT. PJB UP GRESIK
308	REMAINING LIFE ASSESSMENT (RLA) HRSG 1.3 PLTGU UP MUARA TAWAR, APRIL/MEI 2010	PT. PJB UP MUARA TAWAR
309	FAILURE INVESTIGATION AND ANALYSIS ON FRACTURED STUD BOLTS OF A BYPASS BALL VALVE, MARCH/APRIL 2010	PT. PERTAMINA HULU ENERGI ONWJ LTD
310	JASA REPLICA TEST DAN HARDNESS TEST UNTUK HRSG 2.1 PLTGU UP GRESIK, JANUARI 2010	PT. PJB UPHT
311	JASA ANALISA KERUSAKAN TUBE HP ECONOMIZER-1 HRSG 3.1 PLTGU UP GRESIK, JANUARI 2010	PT. PJB UP GRESIK
312	REMAINING LIFE ASSESSMENT (RLA) HRSG 1.2 PLTGU UP MUARA TAWAR, DESEMBER 2009/JANUARI 2010	PT. PJB UP MUARA TAWAR
313	ANALISA KERUSAKAN TUBE HP ECONOMIZER-1 HRSG 3.1 PLTGU UP GRESIK, DESEMBER 2009	PT. PJB UP GRESIK
314	JASA REMAINING LIFE ASSESSMENT BOILER PLTU #1 UP GRESIK, JULI/AGUSTUS 2009	PT. PJB UP GRESIK
315	JASA REPLIKA TUBE BOILER DAN BALANCE PIPE PLTU #3 UP GRESIK, PT.PJB UPHAR WILAYAH TIMUR, MARET/APRIL 2009	PT. PJB UPHAR WILAYAH TIMUR
316	FAILURE ANALYSIS OF TWO DAMAGED IMPELLERS AND ONE FRACTURED SHAFT OF A REACTOR FEED PUMP BG 502 A, JANUARY/FEBRUARY 2009	PT. AMOCO MITSUI PTA INDONESIA
317	RELIABILITY LIFE ASSESSMENT OF HP BOILER TUBE, PT. ECOGREEN OLEOCHEMICALS-MEDAN, OCTOBER/NOVEMBER 2008	PT. ECOGREEN OLEOCHEMICALS
318	JASA NDT ROTOR HP TURBIN UNIT-4 PLTU UP MUARA KARANG, PT.PJB UPHB, OKTOBER/NOVEMBER 2008	PT. PJB UPHB
319	JASA ANALISA KERUSAKAN ELBOW TUBE LP EVAPORATOR HRSG UP MUARA KARANG, JUNI/JULI 2008	PT. PJB UP MUARA KARANG

320	JASA REMAINING LIFE ASSESSMENT (RLA) BOILER PLTU #2 PT. PJB UP GRESIK, MEI 2008	PT. PJB UP GRESIK
321	JASA REMAINING LIFE ASSESSMENT (RLA) HRSG 3.3 PLTGU PT. PJB UP GRESIK, MARET 2008	PT. PJB UP GRESIK
322	FAILURE ANALYSIS OF DISK PACK COUPLING AG-120-B, JANUARY 2008	PT. AMOCO MITSUI PTA INDONESIA
323	INSPEKSI HASIL REPAIR COMPRESSOR CASING GT #1 PT. PJB UP GRESIK, DESEMBER 2007	PT. PJB UP GRESIK
324	LABORATORY TEST AND ANALYSIS ON CORRODED STAINLESS STEEL PLATE, NOVEMBER 2007	CABOT (MALAYSIA) SDN BHD
325	JASA NDT ROTOR TURBIN UNIT-4 PLTU MUARA KARANG PT. PEMBANGKITAN JAWA BALI, OKTOBER 2007	PT. PEMBANGKITAN JAWA BALI UNIT PELAYANAN PEMELIHARAAN WILAYAH BARAT
326	INSTRUMENT AIR COMPRESSOR AFTER-COOLER/OIL COOLER FAILURE ANALYSIS, SEPTEMBER 2007	CONOCOPHILLIPS, INDONESIA INC, LTD
327	JASA NDT ROTOR TURBIN UNIT-3 PLTU MUARA KARANG PT. PEMBANGKITAN JAWA BALI, AGUSTUS 2007	PT. RADIANT UTAMA INTERINSCO, TBK
328	JASA NDT ROTOR TURBIN UNIT-5 PLTU MUARA KARANG PT. PEMBANGKITAN JAWA BALI, JUNI 2007	PT. PEMBANGKITAN JAWA BALI UNIT PELAYANAN PEMELIHARAAN WILAYAH BARAT
329	INSTRUMENT AIR COMPRESSOR AFTERCOOLER FAILURE ANALYSIS, APRIL 2007	CONOCOPHILLIPS, INDONESIA INC, LTD
330	JASA PEMERIKSAAN ROTATING BLADE TURBIN UNIT 1 PLTU MUARA KARANG, MARET/APRIL 2007	PT. RADIANT UTAMA INTERINSCO, TBK
331	INSPEKSI/PEMERIKSAAN STEAM TURBINE ROTATING BLADE PLTU #2 PT. PJB UP MUARA KARANG, SEPTEMBER 2006	PT. PJB UHAR MUARA KARANG
332	INSPEKSI/PEMERIKSAAN TANKI HIDROGEN PLTU MUARA KARANG, SEPTEMBER 2006	PT. PJB UHAR MUARA KARANG
333	FAILURE ANALYSIS AND PREVENTION OF NOZZLE GAS BOILER PLTU #2 UP GRESIK, MEI/JUNI 2006	PT. PJB UHAR GRESIK
334	BOILER ASSESSMENT PLTU #2 UP PAITON, APRIL – AGUSTUS 2006	PT. RADIANT UTAMA INTERINSCO, JAKARTA
335	FAILURE ANALYSIS ON A CRACKED DRYER DRUM DD-ME-2, APRIL/MAY 2006	PT. CABOT INDONESIA, CILEGON, BANTEN
336	ASSESSMENT OF DRYER DRUM DD-ME-1 BY IN-SITU METALLOGRAPHY, MARCH/APRIL 2006	PT. CABOT INDONESIA, CILEGON, BANTEN
337	REMAINING LIFE ASSESSMENT (RLA) HRSG 1.3 UP GRESIK, OKTOBER 2005	PT. PJB UNIT BISNIS PEMELIHARAAN, GRESIK
338	FAILURE INVESTIGATION AND ANALYSIS OF A BOILER TUBE, OCTOBER 2005	PT. ECOGREEN OLEOCHEMICALS, MEDAN
339	IN-SITU METALLOGRAPHY OF DRYER DRUM CL-1, AUGUST 2005	PT. CABOT INDONESIA CILEGON, BANTEN
340	FAILURE INVESTIGATION AND ANALYSIS OF 4 (FOUR) DAMAGED METAL PARTS, AUGUST 2005	CABOT (MALAYSIA) SDN. BHD
341	ANALISA KERUSAKAN DAN REKOMENDASI REMANUFAKTUR ACCESSORY GEARS PLTG FRAME-5 UNIT PEMBANGKITAN TALANG DUKU, MEI – JUNI 2005	PT. PJB UNIT BISNIS PEMBANGKITAN TALANG DUKU
342	FAILURE INVESTIGATION AND ANALYSIS OF HEAT EXCHANGER TUBE COMPENSATORS, MAY – JUNE 2005	CABOT (MALAYSIA) SDN. BHD.
343	IN-SITU METALLOGRAPHY BY REPLICA TECHNIQUE ON A CRACKED DRYER DRUM, MARCH 2005	PT. CABOT INDONESIA CILEGON, BANTEN
344	UJI MIKROSTRUKTUR REHEATER TUBE PLTU #1 UNIT PEMBANGKITAN PAITON, FEBRUARI – MARET 2005	PT. PJB UNIT BISNIS PEMELIHARAAN
345	ANALISA DAN SUPERVISI PERBAIKAN/REPAIR FORCED DRAFT FAN (FDF) PLTU UNIT 3 MUARA KARANG (28 JANUARI S/D 2 FEBRUARI 2005)	PT. PJB UHAR MUARA KARANG JAKARTA UTARA
346	FAILURE INVESTIGATION AND ANALYSIS OF A TRANSITION RING	PT. CABOT INDONESIA

	(NOVEMBER/DECEMBER 2004)	CILEGON, BANTEN
347	IN-SITU METALLOGRAPHY AND HARDNESS TEST OF DRYER DRUM DD-ME-2 (DECEMBER 2003)	PT. CABOT INDONESIA CILEGON, BANTEN
348	ANALISA KERUSAKAN BAUT CYLINDER LINER MESIN DIESEL (NOVEMBER 2003)	PT. SUPERMAL KARAWACI TANGERANG
349	ANALISA KERUSAKAN BAUT CYLINDER HEAD MESIN DIESEL PLTD BATAKAN (SEPTEMBER 2003)	PT. PLN (PERSERO) JASA TEKNIK KELISTRIKAN, JAKARTA
350	ANALISA MATERIAL DENGAN SCANNING ELECTRON MICROSCOPE DAN EDAX (ENERGY DISPERSIVE X-RAY ANALYZER)(JULI 2003)	PT. THEDA PERSADA NUSANTARA, JAKARTA
351	IN-SITU METALLOGRAPHY AND HARDNESS TEST OF DRYER DRUM DD-ME-1 (JUNE-JULY 2003)	PT. CABOT INDONESIA CILEGON, BANTEN
352	FAILURE INVESTIGATION AND ANALYSIS OF A CAST STAINLESS STEEL PUMP IMPELLER (JANUARY-FEBRUARY 2003)	PT. PETROKIMIA NUSANTARA INTERINDO, MERAK- BANTEN
353	HYDROTEST LEAK INVESTIGATION ON CIRCUMFERENTIAL FILLET WELDS BETWEEN FIRE TUBE AND COMPENSATOR INNER SLEEVE OF A REPAIRED HEAT EXCHANGER (JANUARY 2003)	PT. CABOT INDONESIA CILEGON, BANTEN
354	FAILURE INVESTIGATION AND ANALYSIS OF A PELLETIZER ROTOR SHAFT (NOVEMBER 2002)	PT. CABOT INDONESIA CILEGON, BANTEN
355	IN-SITU METALLOGRAPHY BY REPLICA TECHNIQUE AND FAILURE INVESTIGATION AND ANALYSIS OF A SG STEAM SUPERHEATER (E-0500) (MAY/JUNE 2002)	PT. KALTIM PASIFIK AMONIAK BONTANG, KALIMANTAN TIMUR
356	FAILURE INVESTIGATION AND ANALYSIS OF A HE TUBE COMPENSATOR (A REPEAT ORDER), DECEMBER 2001	PT. CABOT INDONESIA CILEGON, BANTEN
357	FAILURE INVESTIGATION AND ANALYSIS OF A HE TUBE COMPENSATOR (JULY 2001)	PT. CABOT INDONESIA CILEGON, BANTEN
358	ANALISA MATERIAL HEAT SEAL GAS TURBINE (FEBRUARI 2001)	PT. INDONESIA POWER UNIT BISNIS JASA PEMELIHARAAN, JAKARTA
359	FAILURE INVESTIGATION AND ANALYSIS OF A RUPTURED COIL HANGER (DECEMBER 2000)	PT. CABOT INDONESIA CILEGON, BANTEN
360	PENELITIAN DAN PENGUJIAN SAMPLE LAS PLAT BAJA UNTUK KUALIFIKASI WELDING REPAIR PROCEDURE 2000 TONS VCM SPHERICAL TANK 0-002 (AGUSTUS 2000)	PT. MERKA INSPEKTINDO TECHNICAL, JAKARTA
361	FAILURE INVESTIGATION AND ANALYSIS OF A REPAIR WELDED STAINLESS STEEL 316 H DRYER DRUM (JULY 2000)	PT. CABOT INDONESIA CILEGON, BANTEN
362	IN-SITU METALLOGRAPHY OF TWO DYER DRUMS BY REPLICA TECHNIQUE (JULY 2000)	PT. CABOT INDONESIA CILEGON, BANTEN
363	ANALISA KERUSAKAN DAN PERBANDINGAN BAHAN PISTON (SECOND STAGE, COMPRESSOR 7-C-351), JULI 2000	PT. PETROKIMIA NUSANTARA INTERINDO, MERAK- BANTEN
364	ANALISA SERBUK/SERTA PADA PISTON COMPRESSOR (7-C-351) DAN ANALISA GUMPALAN OLI PADA SCREW COMPRESSOR (8-C-510) (2000)	PT. PETROKIMIA NUSANTARA INTERINDO, MERAK- BANTEN
365	ANALISA KERUSAKAN DIFFUSER CASING CIRCULATING WATER PUMP (JULI 2000)	PT. PLN PJB I UP PRIOK JAKARTA UTARA
366	ANALISA KERUSAKAN VALVE PLATES MESIN COMPRESSORS NO. 7-C-351 (MARET 2000)	PT. PETROKIMIA NUSANTARA INTERINDO, MERAK- BANTEN
367	FAILURE ANALYSIS AND DAMAGE INVESTIGATION OF THRUST BEARING AND SHAFT OF CENTRIFUGAL COMPRESSOR (JANUARI/FEBRUARI 2000)	PT. PETROKIMIA NUSANTARA INTERINDO, MERAK- BANTEN
368	PENGUJIAN DAN ANALISA KERUSAKAN POROS MESIN BLOWER (AGUSTUS 1999)	PT. PETROKIMIA NUSANTARA INTERINDO, MERAK- BANTEN
369	PENGUJIAN DAN ANALISA BAHAN EXTRUDER CUTTER BLADE (OKTOBER 1998)	PT. PETROKIMIA NUSANTARA INTERINDO, MERAK-

		BANTEN
370	ANALISA KERUSAKAN CYLINDER LINER MESIN DIESEL KAPAL (MEI 1998)	PT. PERTAMINA PERKAPALAN JAKARTA UTARA
371	PENGUJIAN DAN ANALISA KEGAGALAN BATANG TEMBAGA UNTUK BAHAN KAWAT ENAMEL (1997)	PT. TEMBAGA MULIA SEMANAN, JAKARTA
372	ANALISA KERUSAKAN KOMPONEN SEPEDA MOTOR (1997)	PT. ASTRA HONDA MOTOR (D/H PT. HONDA FEDERAL)
373	PENGUJIAN DAN ANALISA TEGANGAN KONSTRUKSI RIG PERTAMINA CIREBON (1997)	PT. RADIANT UTAMA JAKARTA
374	PENELITIAN PADUAN ALUMINIUM TAHAN PANAS APLIKASI KABEL SUTET (1996-1997)	PT. SUPREME ALURODIN JAKARTA
375	PENGUJIAN DAN ANALISA KEGAGALAN KAWAT TEMBAGA UNTUK BAHAN KABEL LISTRIK DAN KABEL TELEPON (1996)	PT. SUCACO JAKARTA
376	ANALISA KERUSAKAN CYLINDER LINER MESIN DIESEL KAPAL (OKTOBER 1996)	PT. DJAKARTA LLOYD JAKARTA
377	PENGUJIAN DAN ANALISA KEGAGALAN PRODUK COR ALUMINIUM (1996)	PT. WIJAYA KARYA – PRODUK METAL, JATIWANGI, CIREBON
378	ANALISA KERUSAKAN BANTALAN JALAN (JOURNAL BEARING) MESIN DIESEL KAPAL (APRIL 1996)	PT. DJAKARTA LLOYD JAKARTA
379	ANALISA KAWAT LAS (1996)	PT. INDO LAVAL JAKARTA TIMUR
380	ANALISA KERUSAKAN BAUT PENGIKAT MESIN CRANE (1996)	PT. PERTAMINA EP KANTOR PUSAT, JAKARTA

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