










PART LIST							
POS	POS.OLD	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	T3	1	Cross flow turbine	oseg_cft_A1_Cross-flow-turbine.iam			1
A1	T3	1	Cross flow turbine	oseg_cft_A1_Cross-flow-turbine.iam			2
A2		1	Cross-flow-turbine	oseg_cft_A1_Cross-flow-turbine.ipn			3
B1			PART LIST	oseg_cft_B_Cross-flow-turbine-parts-list.xls			4
B2			PART LIST	oseg_cft_A1_Cross-flow-turbine.iam			5
B3			PART LIST	oseg_cft_A1_Cross-flow-turbine.iam			6
C1			TECH NOTES				7
C2			TECH NOTES				8
1.0	T3/01/00	1	Base frame	oseg_cft_Base-frame.iam			9
1	T3/01/00	1	Base frame	oseg_cft_Base-frame.ipn	Production		10
1.1	T3/01/01	2	Channel100x50x70	oseg_cft_channel100x50x395.ipt	Production	structural steel, ASTM-A36	11
1.2	T3/01/02	1	Channel100x50x475	oseg_cft_channel100x50x475.ipt	Production	structural steel, ASTM-A36	12
1.3	T3/01/03	1	Channel100x50x545	oseg_cft_channel100x50x545.ipt	Production	structural steel, ASTM-A36	13
1.4	T3/02/01	2	Rubber6mmx425	oseg_cft_rubber-6mmx425.ipt	Production	rubber	14
1.5	T3/02/02	2	Rubber-6mmx395	oseg_cft_rubber-6mmx395.ipt	Production	rubber	15
2.0	T3/03/00	1	Rotor-housing	oseg_cft_Rotor-housing.iam			16
2.0	T3/03/00	1	Rotor housing	oseg_cft_Rotor-housing.ipn			17
2.1	T3/03/01	2	Side plate	oseg_cft_side-plate.ipt	Production	steel C45	18
2.2	T3/03/02	1	Baffle plate	oseg_cft_baffle-plate.ipt	Production	steel C45	19
2.3	T3/03/03	1	oseg_cft_spacer-plate	oseg_cft_spacer-plate.ipt	Production	steel C45	20
2.4	T3/03/04	1	oseg_cft_rear-baffle-plate	oseg_cft_rear-baffle-plate.ipt	Production	steel C45	21
2.5	T3/03/05	1	Houseing base front	oseg_cft_houseing-base-front.ipt	Production	steel C45	22
2.6	T3/03/06	1	Houseing-base-rear	oseg_cft_houseing-base-rear.ipt	Production	steel C45	23
2.7	T3/03/07	8	Thear-stub	oseg_cft_thear-stub.ipt	Production	steel C45	24
2.8	T3/04/00	1	Rib	oseg_cft_rib.ipt	Production	steel C45	25
2.9	T3/05/00	2	Bracing plate	oseg_cft_bracing-plate.ipt	Production	steel C45	26
3.0.0	T3/06/00	1	Inlet top	oseg_cft_Inlet-top.iam			27
3.0.0	T3/06/01	1	Inlet top	oseg_cft_Inlet-top.ipn			28
3.1.0	T3/06/01	1	Hatch door	oseg_cft_Hatch-door.iam			29
3.1.0	T3/06/01	1	Hatch door	oseg_cft_Hatch-door.ipn			30
3.1.1	T3/06/01	1	Hatch door sheet02	oseg_cft_Hatch-door-sheet02.ipt	Production	Steel C45	31
3.1.2	T3/06/01-3	2	Hatch door frame L25x325	oseg_cft_Hatch-door-frame03.ipt	Production	ASTM-A36	32

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
Cross Flow Turbine		D.MOSQUERA	D. JAEGER	05-04-21	1.0
PART NAME		FILE NAME			PART CODE
PART LIST		oseg_cft_B_Cross-flow-turbine-parts-list.xls			B1
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART LIST		
	OSEG		LICENCE	SCALE	SHEET
			CC.BY.SA 4.0		4 /90

PART LIST							
POS	POS.OLD	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
3.1.3	T3/06/01-3	1	oseg_cft_Hatch-door-sheet	oseg_cft_Hatch-door-sheet.ipt	Production	Steel C45	33
3.1.4	T3/06/01,5	2	Handle	oseg_cft_Handle.ipt	Production	ASTM-A36	34
3.1.5		20	Bolt-M6x20	oseg_cft_bolt-M6x20.ipt	Standard		35
3.1.6		20	Nut M6	oseg_cft_nut-M6.ipt	Standard		36
3.2.0	T3/06/01	2	Hatch door frame L25x260	oseg_cft_Hatch-door-frame01.ipt	Production	structural steel, ASTM A-36	37
3.3.0	T3/06/01-2	2	Hatch door frame L25x345	oseg_cft_Hatch-door-frame02.ipt	Production	Angle 25x25x5, ASTM A-36	38
3.4.0	T3/06/04	2	Inlet side plate	oseg_cft_inlet-side-plate.ipt	Production	Steel C45	39
3.5.0	T3/06/01-1	1	Inlet top guide	oseg_cft_Inlet-top-guide.ipt	Production	Steel C45	40
3.6.0	T3/06/03	2	Inlet flange	oseg_cft_Inlet-flange.ipt	Production	Steel C45	41
3.7.0	T3/06/03	2	Inlet flange2	oseg_cft_Inlet-flange2.ipt	Production	Steel C45	42
3.8.0	T3/06/02	1	Inlet bottom plate	oseg_cft_Inlet-bottom-plate.ipt	Production	Steel C45	43
3.9.0	T3/07/01	1	Inle-gasket	oseg_cft_Inle-gasket.ipt	Production	Rubber	44
4	T3/08/00	1	Rotor	oseg_cft_Rotor.iam			45
4	T3/08/00	1	Rotor	oseg_cft_Rotor.ipn			46
4.1	T3/08/01	1	Rotor shaft	oseg_cft_Rotor-shaft.ipt	Production	Steel C45 hardened	47
4.2	T3/08/02	3	Rotor disc	oseg_cft_Rotor-disc.ipt	Production	Steel C45	48
4.3	T3/08/03	32	Blade	oseg_cft_Blade.ipt	Production	Steel C45	49
5	T3/10/00	2	Stuffing box	oseg_cft_Stuffing box.iam			50
5	T3/10/00	2	Stuffing box	oseg_cft_Stuffing box.ipn			51
5.1	T3/10/00	2	Stuffing box02	oseg_cft_Stuffing box02.ipt	Production	Steel C45	52
5.2	T3/13/00	2	Stuffin plate gasket	oseg_cft_Stuffin-plate-gasket.ipt	Production	Rubber	53
5.3	T3/10/00	2	Stuffing box01	oseg_cft_Stuffing box01.ipt	Production	Steel C45	54
5.4	T3/12/00	2	Press ring	oseg_cft_press-ring.ipt	Production	Steel C45	55
5.5	T3/11/00	4	Spacer	oseg_cft_Spacer.ipt	Production	Steel C45	56
5.6	T3/09/00	2	Rotor bearing	oseg_cft_rotor-bearing.iam	Buy	BEARING NUMBER FYH F210J UCSIO	57
6.0.0	T3/16/00	1	Butterfly Valve	oseg_cft_Butterfly-Valve.iam			58
6.0.0	T3/17.23/00	1	Butterfly Valve	oseg_cft_Butterfly-Valve.ipn			59
6.1.0	T3/24/00	1	Cover	oseg_cft_cover.ipt	Production	Steel C45	60
6.2.0	T3/23/00	1	Gasket	oseg_cft_gasket.ipt	Production	Rubber	61
6.3.0	T3/25/00	2	Washer	oseg_cft_washer.ipt	Production	Steel C45	62
6.4.0	T3/21/00	1	Bush casing 2	oseg_cft_bush-casing-2.ipt		Steel C45	63
6.5.0	T3/20/00	1	Bush casing	oseg_cft_bush-casing.ipt	Production	Steel C45	64
6.6.0	T3/16/00	1	Valve shaft	oseg_cft_butterfly-valve-shaft.ipt	Production	Steel C45 hardened	65

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PART NAME		FILE NAME					PART CODE
PART LIST		oseg_cft_A1_Cross-flow-turbine.iam					B2
DEVELOPED BY		REDESIGNED BY		SUPPORTED BY		DOC. TYPE	MATERIAL
						PART LIST	
				LICENCE		SCALE	SHEET
				CC.BY.SA 4.0			5 /90

PART LIST							
POS	POS.OLD	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
6.7.0	T3/35/00	1	Butterfly Valve shaft	oseg_cft_Butterfly-Valve-shaft.iam			66
6.7.0	T3/35/00	1	Butterfly Valve shaft	oseg_cft_Butterfly-Valve-shaft.ipn			67
6.7.1	T3/35/00	1	shaft valve 1	oseg_cft_shaft-valve-1.ipt	Production	Steel C45	68
6.7.2	T3/35/00	1	shaft valve 2	oseg_cft_shaft-valve-2.ipt		Steel C45	69
6.7.3	T3/35/00	3	Shaft valve 3	oseg_cft_shaft-valve-3.ipt	Production	Steel C45	70
6.7.4	T3/35/00	1	shaft valve 4	oseg_cft_shaft-valve-4.ipt	Production	Steel C45	71
6.8	T3/26/00	1	Lever	oseg_cft_lever.ipt		Steel C45	72
7	T3/29/00	1	Support	oseg_cft_Support.iam			73
7	T3/29/00	1	Support	oseg_cft_Support.ipn			74
7	T3/29/00	1	Support	oseg_cft_Support.iam			75
7.1	T3/29/02	1	Support angle	oseg_cft_support-angle.ipt		Structural steel, ASTM-A36	76
7.2	T3/29/05		Stopper top plate	oseg_cft_stopper-top-plate.ipt		Steel C45	77
7.3	T3/29/04	1	Stopper plate top	oseg_cft_stopper-plate-top.ipt		Steel C45	78
7.4	T3/29/03	1	Stopper plate bottom	oseg_cft_stopper-plate-bottom.ipt		Steel C45	79
7.5	T3/29/01	1	Base plate	oseg_cft_base-plate.ipt		Steel C45	80
7.6	T3/30/00	1	Handle bar	oseg_cft_handle-bar.ipt		Steel C45	81
7.7	T3/31/00	1	Knob ring	oseg_cft_knob-ring.ipt		Steel C45	82
7.8	T3/32/00	1	Bush	oseg_cft_bush.ipt		Steel C45	83
7.9	T3/32/00	1	Spindle	oseg_cft_spindle.ipt		Steel C45	84
7.10	T3/32/00	1	Lock-nut	oseg_cft_lock-nut.ipt		Steel C45	85
7.11	T3/32/00	1	Wing nutM16	oseg_cft_wing-nutM16.ipt		Steel C45	86
8		8	Bolt M6x50	oseg_cft_bolt-M6x50.ipt	Standard	Bolt M6x50	
9		8	screw 10Mx50	oseg_cft_bolt-M14x70.ipt	Standard	screw 10Mx50	
10		18	Bolt M12x30	oseg_cft_bolt-M12x30.ipt	Standard	Bolt M12x30	
11		8	Nut M6	oseg_cft_nut-M6.ipt	Standard	Nut M6	
12		18	Nut M12	oseg_cft_nut-M12.ipt	Standard	Nut M12	
13	T3/38/00	1	Adapter	oseg_cft_Adapter			87
13	T3/36/00	1	Adapter	oseg_cft_Adapter			88
13.1		2	Sdapter flange	oseg_cft_adapter-flange		Steel C45	89
13.2		2	Adapter flange2	oseg_cft_adapter-flange2		Steel C45	90
13.3		1	Shaft-adapter	oseg_cft_shaft-adapter		Steel C45	91
13.4		1	Penstock-flange	oseg_cft_penstock-flange		Steel C45	92

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PART NAME		FILE NAME			PART CODE
PART LIST		oseg_cft_A1_Cross-flow-turbine.iam			B3
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART LIST		
	OSEG		LICENCE	SCALE	SHEET
			CC.BY.SA 4.0		6 /90