

TITLE:

**DEGREE IN ENGINEERING IN INDUSTRIAL
TECHNOLOGIES**

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BUDGET

**CONSTRUCTION OF VITALITY POOLS AND JACUZZI BY
REUSING SEA CONTAINERS**

Director of TFG :

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Call for submission of the TFG / TFM:

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1. INTRODUCTION

The present project consists of the design of the construction of swimming pools and jacuzzis reusing disused shipping containers.

In this document we will show all the expenses that our project has required. Throughout the document we detail by items the expenses and income and finally we present a summary of the general budget of the project

2. MEASUREMENTS

BUDGET CONTAINER POOL SPA RANGE					
Number	Description	Unit cost	Units	Quantity	Subtotal (€)
1	Company Salaries				13.700,00 €
1.1	Chief Executive Office	2.250,00 €	€/u	1	2.250,00 €
1.2	Head of Drawing Department	1.850,00 €	€/u	1	1.850,00 €
1.3	Marketing and Finance Director	2.000,00 €	€/u	1	2.000,00 €
1.4	Steel Welders	1.950,00 €	€/u	2	3.900,00 €
1.5	Pool Expert	1.850,00 €	€/u	2	3.700,00 €
2	Business Service				46.150,00 €
2.1	Office Equipment	2.000,00 €	€/u	1	2.000,00 €
2.2	Computer Equipment	850,00 €	€/u	4	3.400,00 €
2.3	Transports	5.000,00 €	€/u	2	10.000,00 €
2.4	Callings	300,00 €	€/u	3	900,00 €
2.5	Pack of Pool Equipment	800,00 €	€/u	3	2.400,00 €
2.6	Containers	1.500,00 €	€/u	3	4.500,00 €
3	Marketing				20.950,00 €
3.1	Marketing Campaing	2.000,00 €	€/u	1	2.000,00 €
3.2	Marketing Digital	1.500,00 €	€/u	2	3.000,00 €

Table 1: Measurements under heading 1

BUDGET CONTAINER POOL SPA RANGE

Number	Description	Unit cost	Units	Quantity	Subtotal (€)
6	SHIPPING REUSED MARITIME CONTAINER				1.500,00 €
6.1	Reused Sea Container	1.500,00	€/u	1	1.500,00
7	FILTER CIRCUIT				2.313,38 €
7.1	Filter Cantabric ø600mm 14000 l/h	209,99	€/u	1	209,99
7.1	Filter Glass of Class 1 (0,6-1,2mm)	0,43	€/kg	110	46,75
7.2	Circulation Pump 1 CV, 0,76 KW , 16000 l/h	169,53	€/u	3	508,59
7.2	Massage Bench Pump, 2 CV, 1,46 KW, 26000 l/h	189,83	€/u	2	379,66
7.3	Selector Valve (Included with filter)	0,00	€/u	1	0,00
7.4	Skimmer	40,80	€/u	1	40,80
7.5	Level Controller	35,90	€/u	1	35,90
7.6	Discharge Nozzle	31,45	€/u	3	94,35
7.7	Cleaner Nozzle	186,67	€/u	1	186,67
7.8	Bottom-Tapping Nozzle	1,83	€/u	2	3,66
7.9	Anti-vortex Suction and Delivery Nozzle	35,67	€/u	3	107,01
7.10	PVC Material for Filter Circuit Installation	700,00	€/u	1	700,00
8	REGULATION AND DOSAGE SYSTEM FOR SWIMMING POOLS				1.548,29 €
8.1	Chlorine and PH Control Panel	1.145,20	€/u	1	1.145,20
8.2	Flocculant Dosage Control Panel	151,00	€/u	1	151,00
8.3	Hypochlorite (liquid chlorine) 25 litres	21,33	€/u	1	21,33
8.4	PH Retailer Liquid 25 litres	17,78	€/u	1	17,78
8.5	Flocculant liquid 5 litres	12,98	€/u	1	12,98
8.6	PVC Material for Regulation Installation	200,00	€/u	1	200,00
9	ELECTRICAL CIRCUIT				1.993,22 €
9.1	Pool Control Unit	1.200,00	€/u	1	1.200,00
9.2	Mini LED RGB projector	89,65	€/u	3	268,95
9.3	Electrical Wiring	200,00	€/u	1	200,00
9.4	Pool Lighting Modulator	324,27	€/u	1	324,27
10	CONDITIONING CIRCUIT				295,32 €
10.2	Tubular Heat Exchanger Line 20 kW TI	295,32	€/u	1	295,32
12	POOL COMPONENTS AND EXTRAS				2.166,02 €
12.2	Pool Entrance	300,00	€/u	1	300,00
12.3	Massage Bench	300,00	€/u	1	300,00
12.3	ABS Whirlpool Nozzle 1 Rotary	29,97	€/u	8	239,76
12.3	ABS Whirlpool Nozzle 2 Rotary	29,97	€/u	8	239,76
12.3	Rotatory Jet Body	23,67	€/u	16	378,72
12.3	Piezoelectric Push Buttons	78,89	€/u	2	157,78
12.3	PVC Material Bench Massage Installation	550,00	€/u	1	550,00
COST SHIPPING CONTAINER POOL SPA RANGE					8.267,94 €

Table 2: Measurements under heading 2

ASSEMBLY CONTAINER POOL SPA RANGE					
Number	Description	Unit cost	Units	Quantity	Subtotal (€)
6	PREPARATION FOR INSTALLATION AND ASSEMBLE				2.800,00 €
6.1	Preparation of the place	1.200,00	€/u	1	1.400,00
6.2	Transport and unloading	1.400,00	€/u	1	1.400,00
7.	FILTER CIRCUIT				1.500,00 €
7.1	Assembly of Filter Circuit	1.500,00	€/u	1	1.500,00
8	REGULATION AND DOSAGE SYSTEM FOR SWIMMING POOLS				550,00 €
8.1	Assembly of Regulation Circuit	550,00	€/u	1	550,00
9	ELECTRICAL CIRCUIT				350,00 €
8.1	Assembly of Electrical Circuit	350,00	€/u	1	350,00
12	POOL COMPONENTS AND EXTRAS				550,00 €
12.1	Assembly of Massage Bench	550,00	€/u	1	550,00
ASSEMBLY SHIPPING CONTAINER POOL SPA RANGE					2.950,00 €
PREPARATION AND TRANSPORT CONTAINER POOL SPA RANGE					2.800,00 €
TOTAL ASSEMBLY, PREPARATION AND TRANSPORT					5.750,00 €

Table 3: Measurements under heading 3

3. GENERAL BUDGET

BUDGET CONTAINER POOL SPA RANGE	
Description	Subtotal (€)
COMPANY SALARIES	13.700,00 €
BUSINESS SERVICE	30.200,00 €
MARKETING	5.000,00 €
COMPONENTS SHIPPING CONTAINER POOL SPA RANGE	8.267,94 €
TOTAL ASSEMBLY, PREPARATION AND TRANSPORT	5.750,00 €
TOTAL	62.917,94 €

Table 4: General Budget