

WASTE WATER TREATMENT

CLIENT / CONTRACTOR	COUNTRY	APPLICATION	SCOPE OF SUPPLY
Abu Dhabi National Oil Corp <i>M W Kellogg Ltd</i>	Abu Dhabi	Oil Refinery (Umm Al Nar)	Spent caustic oxidation systems including 1 packed tower and 3 iron removal pressure filters
Binder-Holz GmbH <i>Monsanto</i>	Austria	MDF Effluent & Waste Water Treatment	Turnkey project for treatment and recovery of highly contaminated waste stream. Treatment comprised of flocculation/ dewatering/multi-media filtration/ membrane treatment and activated carbon filtration to reduce COD from 24,000 mg/L to less than 100 mg/L
Cintic - Peoples Republic of China <i>Snamprogetti Ltd</i>	China	Xinjiang Petrochemical	Design, engineering, supply of spent caustic treatment plant
Coca Cola Schweppes <i>Taylor Woodrow</i>	UK	Soft Drinks Waste	Mechanical and electrical supply and installation of Biothane anaerobic plant for 6.4 tons per day COD
CSC Forest Products Ltd <i>Esmil</i>	Scotland UK	MDF Effluent & Waste Water Treatment	Turnkey project for treatment and recovery of highly contaminated waste stream. Treatment comprised of flocculation/ dewatering/multi-media filtration/ membrane treatment and activated carbon filtration to reduce COD from 24,000 mg/L to less than 100 mg/L
FINSA <i>Esmil</i>	Spain	MDF Effluent & Waste Water Treatment	Initially design and supply of 400 m ³ /day pre-treatment plant utilising chemical dosing and filter press
Gas Authority of India Ltd <i>Esmil</i>	India	UPPC Petrochemical Complex	Design and engineering of a complete spent caustic treatment facility
Interpanel SA <i>Esmil</i>	Spain	MDF Effluent & Waste Water Treatment	Design and engineering of 200 m ³ /day filtration and double-pass membrane plant
Kronospan GmbH <i>Esmil</i>	Germany	MDF Effluent & Waste Water Treatment	Turnkey project for treatment and recovery of highly contaminated waste stream. Treatment comprised of flocculation/ dewatering/multi-media filtration/ membrane treatment and activated carbon filtration to reduce COD from 24,000 mg/L to less than 100 mg/L

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Kronospan Ltd <i>Esmil</i>	Wrexham UK	MDF Effluent & Waste Water Treatment	2nd Plant at Kronospan, Wrexham as per above
Kronospan Sanem et Cie <i>Esmil</i>	Luxembourg	MDF Effluent & Waste Water Treatment	Turnkey project for treatment and recovery of highly contaminated waste stream. Treatment comprised of flocculation/ dewatering/multi-media filtration/ membrane treatment and activated carbon filtration to reduce COD from 24,000 mg/L to less than 100 mg/L
Kronospan Sp. Z.o.o. <i>Esmil</i>	Poland	MDF Effluent & Waste Water Treatment	Turnkey project for treatment and recovery of highly contaminated waste stream. Treatment comprised of flocculation/ dewatering/multi-media filtration/ membrane treatment and activated carbon filtration to reduce COD from 24,000 mg/L to less than 100 mg/L
Paramount Pollution Control Ltd <i>Paramount Pollution Control Ltd</i>	India	Hazira Refinery	Design of spent caustic oxidation plant
Petrola Hellas S.A. <i>Petrola Hellas S.A.</i>	Athens Greece	Oil Refinery (Elefsis)	Design, engineer and supply of complete refinery effluent treatment plant, incorporating the BP effluent treatment process. Integration of the new facilities into the existing treatment units at the refinery. Design of all process, civils, mechanical and electrical/control equipment. Supply of all mechanical and electrical equipment. Flow rate 90 m ³ /hr comprising refinery effluent streams and ballast water
Powergen <i>John Brown Engineering Ltd</i>	UK	Ratcliffe Power Station	Process design overview for the FGD waste water treatment plant

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S.O.E. Iraq <i>Hyundai</i>	Iraq	Power Station (Al Mussaib)	Treatment for 100 m ³ /hr of power station waste water comprising oil removal by VTC/pH adjustment/coagulation/sedimentation filtration and sludge dewatering
Thai Oil Refinery <i>Chiyoda Chemical Engineering Corp</i>	Sriracha Thailand	Oil Refinery	A complete refinery process and storm water treatment plant, comprising the following stages: <ul style="list-style-type: none"> - Inlet screw-lift pumping - API separators - Oxidation, mixing and flocculation - Dissolved air flotation - Activated sludge - Clarification - Sludge dewatering The plant treats 240 m ³ /hr at peak flow
Unilin SA <i>Esmil</i>	France	MDF Effluent & Waste Water Treatment	Turnkey project for treatment and recovery of highly contaminated waste stream. Treatment comprised of flocculation/dewatering/multi-media filtration/membrane treatment and activated carbon filtration to reduce COD from 24,000 mg/L to less than 100 mg/L
Unilin SA II	France	MDF Effluent & Waste Water Treatment	Phase Two
Wiggins Teape Limited <i>Wiggins Teape Limited</i>	Dartford UK	Paper Mill	Effluent coagulation tank and chemical dosing set
Wiggins Teape Photographic Papers Ltd <i>Wiggins Teape Photographic Papers Ltd</i>	High Wycombe UK	Paper Mill (Glory Mill)	A design, engineering and construction management contract to provide an integrated sludge treatment plant with a capacity of 65 m ³ /hr