

## VORSEP AXIAL FLOW DUST COLLECTOR PROJECT LISTING (OVERALL)

No	Owner/ Client	Project Description / Reference	Application	Emission Guarantee [mg/Nm <sup>3</sup> @12%CO <sub>2</sub> ]	Location	Year
1	Hartalega Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 12 t/h Boiler (Heater)	Oil Palm Fiber / Shell Fired Boiler	150	Hartalega Sdn Bhd, Bestari Jaya, Selangor	2020
2	Foong Lee Plantations Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 35 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Foong Lee Sawiminyak POM, Sg. Siput, Perak	2020
3	TSH Resources Berhad	VORSEP TAS100 Double Stage Filter for existing 35 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	TSH Sabahan, Kunak, Sabah	2020
4	ACE Oil Mill Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 35 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	ACE Oil Mill, Rompin, Pahang	2020
5	Southern Acids (M) Berhad	VORSEP TAS100 Double Stage Filter for existing 25 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Southern Acids Industries, Kapar, Selangor	2020
6	Tiang Sang Oil Mill Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 35 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Tiang Sang Oil Mill, Raub, Pahang	2020
7	United Plantations Berhad	VORSEP TAS100 Double Stage Filter for Existing 40 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Jendarata POM, Teluk Intan, Perak	2020
8	United Plantations Berhad	<i>Sharing</i> VORSEP TAS100 Double Stage Filter System for Existing 18 and 25 t/h Boilers, Combined.	Oil Palm Fiber / Shell Fired Boiler	150	UIE Mill, Pantai Remis, Perak	2020
9	Sime Darby Plantation Berhad	VORSEP TAS100 Double Stage Filter for <i>Interconnecting</i> existing 22 / 9 / 6 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Bukit Kerayong POM, Kapar, Selangor	2020
10	Ramatex Textiles Industrial Sdn Bhd	VORSEP TAS100 Double Stage Filter for Existing 40 t/h Boiler 24 BTU Thermal Oil Heater	Biomass Thermal Oil Heaters	150	Seri Gading Batu Pahat, Johor	2019
11	Sime Darby Plantation Berhad	VORSEP TAS100 Stage Filter Sytem <i>Interconnecting</i> 20 & 15 t/h Boiler for KKS Diamond Jublee POM	Oil Palm Fiber / Shell Fired Boiler	150	KKS Diamond Jublee POM, Jasin, Melaka	2019
11	Sime Darby Plantation Berhad	VORSEP TAS100 Stage Filter Sytem <i>Interconnecting</i> 20 & 15 t/h Boiler for KKS Diamond Jublee POM	Oil Palm Fiber / Shell Fired Boiler	150	KKS Diamond Jublee POM, Jasin, Melaka	2019



## VORSEP AXIAL FLOW DUST COLLECTOR PROJECT LISTING (OVERALL)

No	Owner/ Client	Project Description / Reference	Application	Emission Guarantee [mg/Nm <sup>3</sup> @12%CO <sub>2</sub> ]	Location	Year
13	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Felda Seroja POM, Temerloh, Pahang	2019
14	Tiang Sang Oil Mill Sdn Bhd	VORSEP TAS100 Double Stage Filter for <i>Interconnecting</i> existing 35 & 35 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Tiang Sang Oil Mill Air Kuning, Kampar, Perak	2019
15	Sime Darby Plantation Berhad	VORSEP TAS100 Double Stage Filter for existing 30 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Seri Intan POM, Teluk Intan, Perak	2019
16	Sime Darby Plantation Berhad	VORSEP TAS100 Double Stage Filter for existing 20 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Labu POM, Negeri Sembilan	2019
17	Sime Darby Plantation Berhad	VORSEP TAS100 Double Stage Filter for <i>Interconnecting</i> existing 22 & 22 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Chesonese POM, Kuala Kurau, Perak	2019
18	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 40 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Felda Chini 3 POM, Pahang	2019
19	Sime Darby Plantation Berhad	VORSEP TAS100 Double Stage Filter for <i>Interconnecting</i> existing 45 & 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Kerdau POM, Pahang	2019
20	Sime Darby Plantation Berhad	VORSEP TAS100 Double Stage Filter for existing 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Gunung Mas POM, Johor	2019
21	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Felda Jengka 8 POM, Pahang	2019
22	Seri Morib Palm Oil Mill Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 35 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Seri Morib POM, Banting, Selangor	2019
23	PPB Group Berhad	VORSEP TAS100 Double Stage Filter after Multicyclone for existing 40 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Trusan POM, Lawas, Sarawak	2019
24	Kilang Beras Melayu Utara	VORSEP TAS100 Double Stage Filter for existing 2.6 t/h Boiler	Rice Husk Fired Boilers	150	Simpang Empat, Perlis	2019



## VORSEP AXIAL FLOW DUST COLLECTOR PROJECT LISTING (OVERALL)

No	Owner/ Client	Project Description / Reference	Application	Emission Guarantee [mg/Nm <sup>3</sup> @12%CO <sub>2</sub> ]	Location	Year
25	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 20 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Felda Kulai POM, Johor	2018
26	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Double Stage Filter for two existing 18.5 t/h Boilers	Oil Palm Fiber / Shell Fired Boiler	150	Felda Aring A POM, Gua Musang, Kelantan	2018
27	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Felda Keratong 3 POM, Pahang	2018
28	Ghee Seng Rice Mill Sdn Bhd	Upgrade Existing VORSEP TAS100 Single Stage Filter System to TAS100 Double Stage	Rice Husk Fired Boilers	150	Permatang Pauh, Kedah	2018
29	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Felda Penggeli POM, Johor	2018
30	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Felda Semenchu POM, Johor	2018
31	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 35 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Felda Air Tawar POM, Perak	2018
32	Mechmar Cochran Boilers (M) Sdn Bhd	VORSEP TAS100 Double Stage Filter for a 20 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Callao, Peru	2018
33	IOI Corporation Berhad	VORSEP TAS100 Double Stage Filter for <i>Interconnecting</i> 45 & 40 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Gomali POM, Johor	2018
34	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Double Stage Filter for existing 45 t/h Boiler, Lepar Utara 6 POM	Oil Palm Fiber / Shell Fired Boiler	150	Lepar Utara 6, Pahang	2018
35	Felda Palm Industries Sdn Bhd	VORSEP TAS 100 Double Stage Filter for (2) units of 22 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Felda Kechau B POM, Pahang	2018
36	YPJ Plantations Sdn Bhd	VORSEP TAS100 Double Stage Filter for a 35 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Alaf POM, Johor	2018



## VORSEP AXIAL FLOW DUST COLLECTOR PROJECT LISTING (OVERALL)

No	Owner/ Client	Project Description / Reference	Application	Emission Guarantee [mg/Nm <sup>3</sup> @12%CO <sub>2</sub> ]	Location	Year
37	GAP Oil Mill Sdn Bhd	VORSEP TAS100 Double Stage Filter on a 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Mukah, Sarawak	2018
38	United Palm Oil Industry Public Company Limited	VORSEP TAS100 Double Stage Filter on a 50 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	UIE, Pantai Remis, Perak	2018
39	RCR Energy Limited	VORSEP TAS100 Double Stage Filter on a 10 t/h Boiler	Wood Waste Fired Boiler	150	Auckland, New Zealand	2017
40	E.B. Creasy & Co., PLC	VORSEP TAS100 Double Stage Filter on a 2 t/h Boiler	Wood Waste Fired Boiler	150	Colombo, Sri Lanka	2017
41	United Palm Oil Industry Public Company Limited	VORSEP TAS100 Double Stage Filter on a 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Jendarata POM, Teluk Intan, Perak	2017
42	United Palm Oil Industry Public Company Limited	VORSEP TAS100 Double Stage Filter for (2) units of 55 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Ulu Bernam, Perak	2017
43	Felda Palm industries Sdn Bhd	Upgrade Existing VORSEP TAS900 Single Tubes to TAS100 Double Stage on a 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Neram, Pahang	2017
44	Jacobi Carbons Lanka Pvt. Ltd.	VORSEP TAS100 Double Stage on a 2.6 t/h Boiler	Waste-Heat Boiler	150	Colombo, Sri Lanka	2017
45	Flosep Dust Filtration Australasia	VORSEP TAS 1200 Single Tube Filter as Pre-Filter	Pre-filter to Baghouse	150	Australia	2016
46	Genting Refinery	VORSEP TAS100 Double Stage Filter on a 20 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Lahad Datu, Sabah	2016
47	Boilermech Holdings Berhad	VORSEP TAS100 Double Stage Filter on a 6 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Sibu, Sarawak	2016
48	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Double Stage Filter on a 40 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Raub, Pahang	2016



## VORSEP AXIAL FLOW DUST COLLECTOR PROJECT LISTING (OVERALL)

No	Owner/ Client	Project Description / Reference	Application	Emission Guarantee [mg/Nm <sup>3</sup> @12%CO <sub>2</sub> ]	Location	Year
49	Biovision & Greenergy Sdn Bhd	VORSEP TAS100 Double Stage Filter on a 55 t/h Boiler	EFB fired Boiler	150	Segamat, Johor Bahru	2016
50	Palmasa Palm Oil Mill	VORSEP TAS100 Double Stage Filter on a 30 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Lean, Honduras	2016
51	United Plantations Berhad	VORSEP TAS100 Double Stage Filter on a 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Ulu Basir OM, Sungkai, Perak	2015
52	Felda Palm Industries Sdn Bhd	Upgrade Existing VORSEP TAS100 Single Stage Filter System to TAS100 Double Stage	Oil Palm Fiber / Shell Fired Boiler	150	Trolak, Perak	2015
53	Capiz Sugar Central, Inc	VORSEP TAS100 Filter System of 2 stages and a variable flow scavenge unit for 2 units for 36 t/h Kawasaki Boiler	Baggase Fired Boiler	120	Roxas, Philippines	2015
54	Victoria Milling Company, Inc	3 stages VORSEP Dust Collector with Scavenge for 2 units of 54 t/h & 1 unit of 70 t/h Boiler	Bagasse Fired Boilers	100	Victorias City, Bacolod, Philippines	2014
55	Palmasa Palm Oil Mill	VORSEP TAS100 Double Stage with Scavenge for 1 unit of 30 t/h, 1 unit of 35 t/h & 1 unit of 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	150	Aceydesa, Honduras	2014
56	Restored Energy Development Corporation	VORSEP TAS100 Control System for 2 units of 5 t/h Boiler	Rice Husk Fired Boilers	150	Muntinpula City, Philippines	2013
57	Victoria Milling Company, Inc	3 stages Vorsep dust collecting system with scavenge on 54 t/h RILEY 3 Boiler	Baggase Fired Boiler	150	Victorias City, Bacolod, Philippines	2013
58	Ramatex Textiles Industrial Sdn Bhd	VORSEP TAS100 Double Stage for 4 units of 24 MBTU	Biomass Thermal Oil Heaters	250	Batu Pahat, Johor	2012
59	Ramatex Textiles Industrial Sdn Bhd	VORSEP TAS100 Double Stage for 2 units of 40 t/h Boiler	Biomass Bi-drum Boiler	250	Batu Pahat, Johor	2012
60	Armadillo Holdings, Philippines	Upgrade the existing VORSEP TAS100 to Three Stages on a 5 t/h Boiler	Rice Husk Fired Boilers	150	Quezon City, Metro Manila, Philippines	2011



## VORSEP AXIAL FLOW DUST COLLECTOR PROJECT LISTING (OVERALL)

No	Owner/ Client	Project Description / Reference	Application	Emission Guarantee [mg/Nm <sup>3</sup> @12%CO <sub>2</sub> ]	Location	Year
61	Gula Padang Terap Sdn Bhd	Upgrade to 2 stages VORSEP TAS100 with scavange Dust Collection System for 80 t/h Boiler	Bagasse Fired Boilers	400	Kuala Nerang, Kedah	2011
62	Restored Energy Development Corporation	VORSEP TAS50 & TAS100 Triple Stage Dust Collection System for 2 units of 5 t/h Boiler	Rice Husk Fired Water Heater	150	Makati, Philippines	2010
63	Padiberas Nasional Berhad (BERNAS)	VORSEP TAS100 Axial Flow Vortex Tube Dust Collection System for heating system 4.5 t/h Boiler	Rice Husk Fired Water Heater	400	Sungai Ranggung, Perak	2009
64	RCR Easteel Energy System LTD	VORSEP TAS100 Double Stage for a 4 t/h Boiler	Wood Waste Fired Boiler	100	Chifley Business Park, Tasmania, Australia	2008
65	RCR Easteel Energy System LTD	VORSEP TAS100 Single Filter Panel on a 10 t/h Boiler	Wood Waste Fired Boiler	150	Auckland, New Zealand	2008
66	Amstrong Component Parts (Vietnam) Co. LTD	VORSEP TAS550 and TAS100 for Dust Extraction and Filter System	Auto Buffing and Deburring Machines	400	Hanoi, Vietnam	2008
67	RCR Easteel Energy System LTD	VORSEP TAS100 Filter System for 4 t/h Boiler	Wood Waste Fired Boiler	150	Matamata, New Zealand	2008
68	Gula Padang Terap Sdn Bhd	Upgrade to VORSEP TAS100 with scavange Dust Collecting System for 2 units of 60 t/h and 1 unit of 80 t/h Boiler	Bagasse Fired Boilers	400	Kuala Nerang, Kedah	2008
69	RCR Easteel Energy System LTD	VORSEP TAS100 Single Filter System 10 t/h Boiler	Wood Waste Fired Boiler	150	Talleys Ashburton, South Island, New Zealand	2007
70	Nasmech Technology Sdn Bhd	VORSEP TAS50, TAS100 & TAS350	Filter Systems for Carbonizer	150	Kinrara, Kuala Lumpur	2007
71	RCR Easteel Energy System LTD	VORSEP TAS100 Filter System on a 35 t/h Boiler	Wood Waste Fired boiler	150	Fiji, New Zealand	2007
72	Hicom Engineering Sdn Bhd	VORSEP TAS50 High Efficiency Dust Collection System	Steel Arc Furnace	400	Shah Alam, Selangor	2007



## VORSEP AXIAL FLOW DUST COLLECTOR PROJECT LISTING (OVERALL)

No	Owner/ Client	Project Description / Reference	Application	Emission Guarantee [mg/Nm <sup>3</sup> @12%CO <sub>2</sub> ]	Location	Year
73	Golden Hope Plantations Berhad	Upgrade and re-location of Vorsep TAS50 High Efficiency Dust Collectors for a 10 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	East Oil Mill, Pulau Carey, Selangor	2006
74	Felda Palm Industries Sdn Bhd	VORSEP TAS900 Single Tube Dust Collection System for 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Neram, Pahang	2006
75	Felda Palm Industries Sdn Bhd	VORSEP TAS900 Single Tube Dust Collection System for a 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Panching, Pahang	2006
76	Felda Palm Industries Sdn Bhd	VORSEP TAS900 Single Tube Dust Collection System for a 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Felda Lepar Hilir POM, Pahang	2006
77	Amstrong Component Parts (Vietnam) Co. LTD	VORSEP TAS700 Single Tube Filter for Grinding Dust Extraction System.	Grinding Dust Extraction	400	Hanoi, Vietnam	2005
78	Felda Palm Industries Sdn Bhd	VORSEP TAS50 High Efficiency Demisters for 18, 25, 40 t/h Steam Lines for Turbine Protection.	Demisters for Turbine Protection	N.A	Various Locations, Peninsular Malaysia	2005
79	Hicom Engineering Sdn Bhd	VORSEP TAS100 Dust Collector	Sand Cooler	400	Shah Alam, Selangor	2004
80	Syarikat Malaysian Wood Industries Sdn Bhd	VORSEP TAS100 Dust Collector for a 5 t/h Boiler	Wood Fired Boiler	400	Sg Petani, Kedah	2004
81	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Dust Collector for a 25 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Trolak, Perak	2004
82	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Dust Collector for a 25 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Kulai, Johor	2004
83	United Palm Oil Industry Public Company Limited	VORSEP TAS100 Dust Collector for a 20 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Krabi, Thailand	2003
84	Felda Palm Industries Sdn Bhd	VORSEP TAS900 Single Tube Dust Collection System for a 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Kemahang, Kelantan	2003



## VORSEP AXIAL FLOW DUST COLLECTOR PROJECT LISTING (OVERALL)

No	Owner/ Client	Project Description / Reference	Application	Emission Guarantee [mg/Nm <sup>3</sup> @12%CO <sub>2</sub> ]	Location	Year
85	Felda Palm Industries Sdn Bhd	VORSEP TAS900 Single Tube Dust Collection System for a 45 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Penggel, Johor	2002
86	Felda Palm Industries Sdn Bhd	VORSEP TAS50 High Efficiency Dust Collectors for 10 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Kulai, Johor	2000
87	Sime Tyres International (M) sdn Bhd	VORSEP Single Tube Dust Collector Systems for a 9 t/h Boiler	Medium Fuel Oil Fired Boilers.	400	Alor Setar, Kedah	2000
88	Golden Hope Plantations Berhad	VORSEP TAS50 High Efficiency Dust Collector for a 10 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Pulau Carey, Selangor	1999
89	Ghee Seng Rice Mill Sdn Bhd	VORSEP TAS100 Dust Collector on a 10 t/h Boiler	Rice Husk Fired Water Heater	400	Permatang Pauh, Kedah	1999
90	Chumporn Palm Oil Industry Public Company Limited	VORSEP TAS100 Dust Collector for a 40 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Chumporn, Thailand	1999
91	Gula Padang Terap Sdn Bhd	VORSEP TAS100 Dust Collectors for 2 units of 60 and 1 unit of 80 t/h Boiler	Baggase Fired Boiler	400	Kuala Nerang, Kedah	1996
92	Felda Palm Industries Sdn Bhd	VORSEP TAS100 Dust Collector for a 13 t/h Boiler	Oil Palm Fiber / Shell Fired Boiler	400	Jerangau Berat, Terengganu	1996
(* Note : Refer to our website <a href="http://www.excelae.com">www.excelae.com</a> for more installations and details. )						

