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Supporting Information

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Jacopo De Tommaso, Federico Galli, Robert Weber, Jean-Luc Dubois, and Gregory S. Patience*

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Websites are not longevous and can be taken down at any moment. We therefore resumed the main information in a table for future use:

Company	Country	Technology	Original Cost (M USD)	Year	Capacity (kton/year)
Company 1	Japan	Solvolyis	17	2020	22.6
Company 2	Netherlands	Glycolysis	22	2018	10.0
Company 2	Netherlands	Glycolysis	40	2020	40.0
Company 3	US	Methanolysis	250	2021	100.0
Company 1	Japan	Glycolysis	67	2002	28.0
Company 4	Italy	Glycolysis	24	2019	16.5
Company 5	Slovenia	Glycolysis	22	2017	16.0
Company 6	South Korea	Solvolyis	86	2021	110.0
Company 7	US	Glycolysis	30	2012	45.0
Company 8	France	Methanolysis	1053	2022	205.0
Company 9	Australia	Solvolyis H2SO4	4	2022	10.0
Company 10	France	Enzimatic	26	2020	2.0
Company 10	France	Enzimatic	228	2022	50.0
Company 11	Italy	Hydrolysis	25	2018	25.0
Company 12	Lithuania	Solvolyis	50	2018	155.0
Company 13	France	Solvolyis	5	2021	1.2
Company 14	UK	Catalytic hydrothermal depolymerisation	41	2019	80.0
Company 15	Canada	selective dissolution	275	2023	70.0
Company 16	Netherlands	Chemiolysis	23	2017	8.5
Company 16	Netherlands	Chemiolysis	203	2017	76.5
Company 17	Turkey	Glycolysis	100	2023	110.0
Company 18	Canada	selective dissolution	11	2018	0.6
Company 19	US	selectiver dissolution Gen II	35	2019	40.0
Company 15	Canada	selective dissolution	275	2023	70.0

Company 20	France	Selective dissolution - Generation II	450	2023	70.0
Company 15	Canada	selective dissolution GEN II	15	2018	80.0
Company 21	France	Selective dissolution	5	2021	0.6
Company 22	US	selective dissolution	363	2020	50.0
Company 22	US	selective dissolution	440	2021	60.0
Company 23	Netherlands	Selective dissolution	10	2019	3.3
Company 24	Indonesia	Selective dissolution	10	2019	1.0
Company 18	Canada	selective dissolution	40	2023	9.0
Company 25	US	Gasification	600	2018	530.0
Company 26	US	Gasification	30	2020	8.0
Company 27	US	Gasification	266	2014 - 2021 operating	147.0
Company 28	Japan	Gasification	80	2004	64.0
Company 29	Canada	Gasification	653	2020	200.0
Company 30	Canada	Gasification	140	2012	100.0
Company 31	Canada	Gasification	200	2012	150.0
Company 32	Canada	Gasification	124	2014	200.0
Company 33	UK	Gasification	24	2021	13.5
Company 34	Barbados	Gasification	240	2014	215.0
Company 35	Norway	Gasification	63	2011	78.0
Company 36	UAE	Gasification	180	2021	180.0
Company 37	Netherlands	Gasification	236	2018	360.0
Company 38	US	Gasification	250	2009	200.0
Company 39	US	Gasification	140	2010	100.0
Company 40	Finland	Gasification	206	2012	250.0
Company 41	UK	Gasification	9	2019	11.6
Company 41	UK	Gasification	28	2021	13.5
Company 42	UK	Gasification	16	2021	13.5
Company 43	UK	Gasification	13	2019	8.0
Company 31	Canada	Gasification	29	2008	28.1
Company 44	South Korea	Gasification	336	2022	100.0
Company 45	Italy	Gasification	262	2021	192.0
Company 46	Spain	Gasification	357	2021	400.0
Company 47	UK	Gasification	810	2022	600.0
Company 48	Germany	Gasification	80	2021	44.0
Company 49	UK	Gasification	170	2015	115.5
Company 50	UK	Gasification	256	2019	240.0
Company 51	UK	Gasification	33	2018	10.0

Company 52	Germany	Gasification	130	2016	50.0
Company 53	Germany	Gasification	1	2019	0.2
Company 54	Germany	Gasification	19	2019	30.0
Company 55	India	Pyrolysis	4	2017	14.0
Company 56	US	Pyrolysis	680	2021	400.0
Company 57	US	microwave pyrolysis	5	2011	6.6
Company 58	US	Pyrolysis	260	2019	160.0
Company 59	US	Pyrolysis	20	2013	20.0
Company 60	Canada	Depolymerisation / solvent based	5	2017	1.1
Company 61	Germany	Pyrolysis	42	2012	12.0
Company 62	South Korea	Pyrolysis	522	2021	184.0
Company 63	South Korea	Pyrolysis	3	2019	3.3
Company 64	UK	Pyrolysis	73	2019	81.0
Company 65	Spain	Pyrolysis	13	2014	5.0
Company 65	Spain	Pyrolysis	14	2015	24.0
Company 65	Spain	Pyrolysis	30	2015	5.0
Company 66	Norway	Pyrolysis	7	2020	10.0
Company 67	Denmark	Pyrolysis	69	2019	20.0
Company 68	Scotland	Pyrolysis	5	2020	7.0
Company 69	Estonia	Pyrolysis	5	2018	17.5
Company 70	Europe	Pyrolysis	0	2019	8.0
Company 71	UK	Pyrolysis	8	2018	10.0
Company 72	UK	Pyrolysis	2	2019	1.7
Company 73	South Africa	Pyrolysis	22	2018	1.0
Company 74	Austria	Pyrolysis	11	2016	0.8
Company 75	Belgium	Pyrolysis	17	2019	21.0
Company 76	Netherlands	Pyrolysis	34	2019	20.0
Company 77	Netherlands	Pyrolysis	30	2021	27.0
Company 78	Netherlands	Pyrolysis	32	2021	40.0
Company 79	Europe	Pyrolysis	70	2019	100.0
Company 80	Denmark	Pyrolysis	5	2018	16.0
Company 81	South Korea	Pyrolysis	39	2021	33.0
Company 63	South Korea	Pyrolysis	1	2021	3.3
Company 82	France	Pyrolysis + Mechanical Recycling	18	2022	35.0
Company 83	Japan	CatHTR technology	26	2021	20.0
Company 78	Europe	Pyrolysis	95	2021	150.0
Company 84	US	Pyrolysis	35	2020	20.0
Company 85	UK	Pyrolysis	7	2015	8.3
Company 86	Japan	Pyrolysis	1	2000	0.3
Company 86	Japan	Pyrolysis	1	2000	0.5
Company 87	Japan	Pyrolysis	0.1	2000	0.8
Company 88	Netherlands	Pyrolysis	35	2020	35.0

Company 89	Europe	Pyrolysis	45	2019	25.0
Company 90	Australia	Pyrolysis	32	2021	20.0
Company 91	Netherlands	Pyrolysis	49	2021	60.0
Company 92	Netherlands	Pyrolysis	80	2021	150.0
Company 93	US	Pyrolysis	80	2020	33.0
Company 94	Japan	Pyrolysis	33	2022	3.0
Company 58	US	Pyrolysis	1100	2022	440.0
Company 79	Belgium	Pyrolysis	100	2022	65.0
Company 95	US	Pyrolysis	200	2022	90.0
Company 96	Czech republic	Pyrolysis	1	2020	0.1
Company 97	US	Pyrolysis	150	2022	33.0
Company 98	Finland	Pyrolysis - liquefaction	105	2023	150.0
Company 99	Mexico	Pyrolysis	3	2023	6.0
Company 100	US	Pyrolysis	50	2023	30.0
Company 101	Austria	Pyrolysis	4	2023	7.0
Company 102	Netherlands	Pyrolysis	109	2023	26.0
Company 103	India	Pyrolysis	0.4	2018	1.7
Company 104	India	Pyrolysis	0.04	2013	0.3
Company 105	India	Pyrolysis	1	2018	0.3
Company 106	India	Pyrolysis	1	2021	1.7
Company 107	India	Pyrolysis	1	2019	2.0
Company 108	India	Pyrolysis	1	2015	4.0
Company 109	US	Pyrolysis	86	2020	33.0
Company 110	US	Pyrolysis	32	2020	65.0
Company 111	US	Pyrolysis	260	2019	100.0
Company 112	US	Pyrolysis	3	2011	13.2
Company 113	US	Pyrolysis	150	2015	340.0
Company 61	US	Pyrolysis	28	2017	40.0
Company 114	US	Pyrolysis	4	2018	3.7
Company 115	US	Pyrolysis	6	2013	22.0
Company 116	US	Pyrolysis	0.4	2017	0.7
Company 117	US	Pyrolysis	6	2019	3.3
Company 118	Canada	Pyrolysis	15	2016	70.0
Company 119	Canada	Pyrolysis	0.2	2011	0.1
Company 120	UK	Pyrolysis	8	2018	10.0
Company 121	UK	Pyrolysis	6	2016	7.0
Company 122	UK	Pyrolysis	10	2011	6.0
Company 123	France	Pyrolysis	4	2019	4.4
Company 65	Ireland	Pyrolysis	8	2010	3.3
Company 124	Netherlands	Pyrolysis	35	2018	33.0
Company 125	Ireland	Pyrolysis	77	2021	75.0
Company 126	UK	Pyrolysis (tires)	130	2008	60.0
Company 127	Belgium	Pyrolysis	100	2020	100.0
Company 128	Japan	Pyrolysis	47	2000	14.8
Company 129	South Korea	Pyrolysis	4	2000	3.0

Company 130	Australia	Pyrolysis	3	2015	16.5
Company 131	US	Pyrolysis	11	2018	16.0
Company 59	US	Pyrolysis	20	2016	23.0
Company 132	US	Pyrolysis	3	2021	0.5
Company 132	US	Pyrolysis	2	2021	0.2
Company 133	UK	Pyrolysis	7	2016	2.0
Company 134	US	Pyrolysis	6	2018	8.0
Company 135	Australia	Pyrolysis	7	2018	10.0
Company 136	India	Pyrolysis	6	2010	6.8
Company 137	Netherlands	Pyrolysis	19	2018	33.0
Company 138	US	Pyrolysis	9	2013	8.3
Company 139	US	Pyrolysis	6	2010	7.9
Company 140	Timor-Leste	Pyrolysis	42	2019	25.0
Company 137	Netherlands	Pyrolysis	19	2018	33.0
Company 137	Australia	Pyrolysis	3	2016	16.5
Company 137	UK	Pyrolysis	26	2017	3.3
Company 137	US	Pyrolysis	208	2020	495.0
Company 141	Germany	Pyrolysis	22	2021	20.0
Company 142	Netherlands	Pyrolysis	100	2020	100.0
Company 137	China	Pyrolysis	25	2019	66.0
Company 143	Japan	Pyrolysis	2	1997	1.6
Company 144	South Korea	Pyrolysis	3	2003	3.0
Company 145	South Korea	Pyrolysis	3	2000	3.0
Company 89	Indonesia	Pyrolysis	40	2019	25.0
Company 146	Canada	Pyrolysis	53	2020	65.0
Company 147	US	Pyrolysis	2	2017	1.7
Company 148	Australia	Pyrolysis - (tyres)	9	2017	19.0