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RESEARCH ARTICLE

Automated retrofit targeting of heat exchanger networks

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Electronic Supplementary Material

Table S1 Retrofit stream data for the refinery process

Unit	Stream	T _s / °C	T _T / °C	ΔH/kW	Exchanger position on stream
Coolers					
E01	S22	60	52	2100	2
E02	S01	60	43	760	3A2
E03	S14	60	38	1187	4
E04	S12	55	45	940	3
E05	S23	60	43	1660	2
E06	S01	60	43	270	3B2
E07	S02	65	38	390	2
E08	S13	71	38	1690	3
E09	S21	88	75	4260	2
E10	S23	106	60	4530	1
E11	S01	118	60	2530	3A1
E12	S01	118	60	1270	3B1
E13	S13	120	71	2510	2
E14	S12	120	55	6250	2
E15	S22	131	60	18760	1
E16	S26	151	93	13620	4
E17	S12	167	120	4550	1
E18	S26	174	151	5400	3
E19	S14	117	60	470	3A
E20	S14	117	60	1670	3B
E21	S14	117	60	1160	3C
E22	S15	199	93	1750	2
E23	S24	205	120	7570	3
E24	S16	255	96	2660	2
Recovery					
E25	S06	32	92	21560	2
E25	S21	148	88	21560	1

E26	S06	92	100	2830	3
E26	S14	161	117	2830	2
E27	S13	180	120	3080	1
E27	S25	52	102	3080	1
E28	S02	209	65	2510	1
E28	S06	25	32	2510	1
E29	S06	142	184	9160	6B
E29	S26	213	174	9160	2
E30	S05	229	180	9200	1
E30	S06	119	142	9200	5
E31	S01	235	118	8830	2
E31	S06	100	122	8830	4
E32	S06	142	174	6900	6A1
E32	S14	258	161	6900	1
E33	S07	181	245	14840	1B
E33	S26	271	213	14840	1
E34	S01	275	235	3840	1
E34	S07	225	242	3840	1A3
E35	S04	283	260	1730	1C
E35	S06	174	182	1730	6A2
E36	S04	283	230	1000	1A
E36	S27	199	209	1000	1
E37	S04	283	210	8100	1B
E37	S20	180	183	8100	1
E38	S07	192	225	7700	1A2
E38	S24	282	205	7700	2
E39	S03	295	283	2790	1
E39	S17	235	258	2790	1
E40	S07	181	192	2550	1A1
E40	S15	327	199	2550	1
E41	S08	248	265	8510	1
E41	S24	357	282	8510	1
E42	S09	245	254	2200	1
E42	S16	363	255	2200	1
Heaters					
E43	S10	239	349	44700	1
E44	S11	253	349	9540	1
E45	S18	342	403	18200	1
E46	S19	342	403	4500	1
