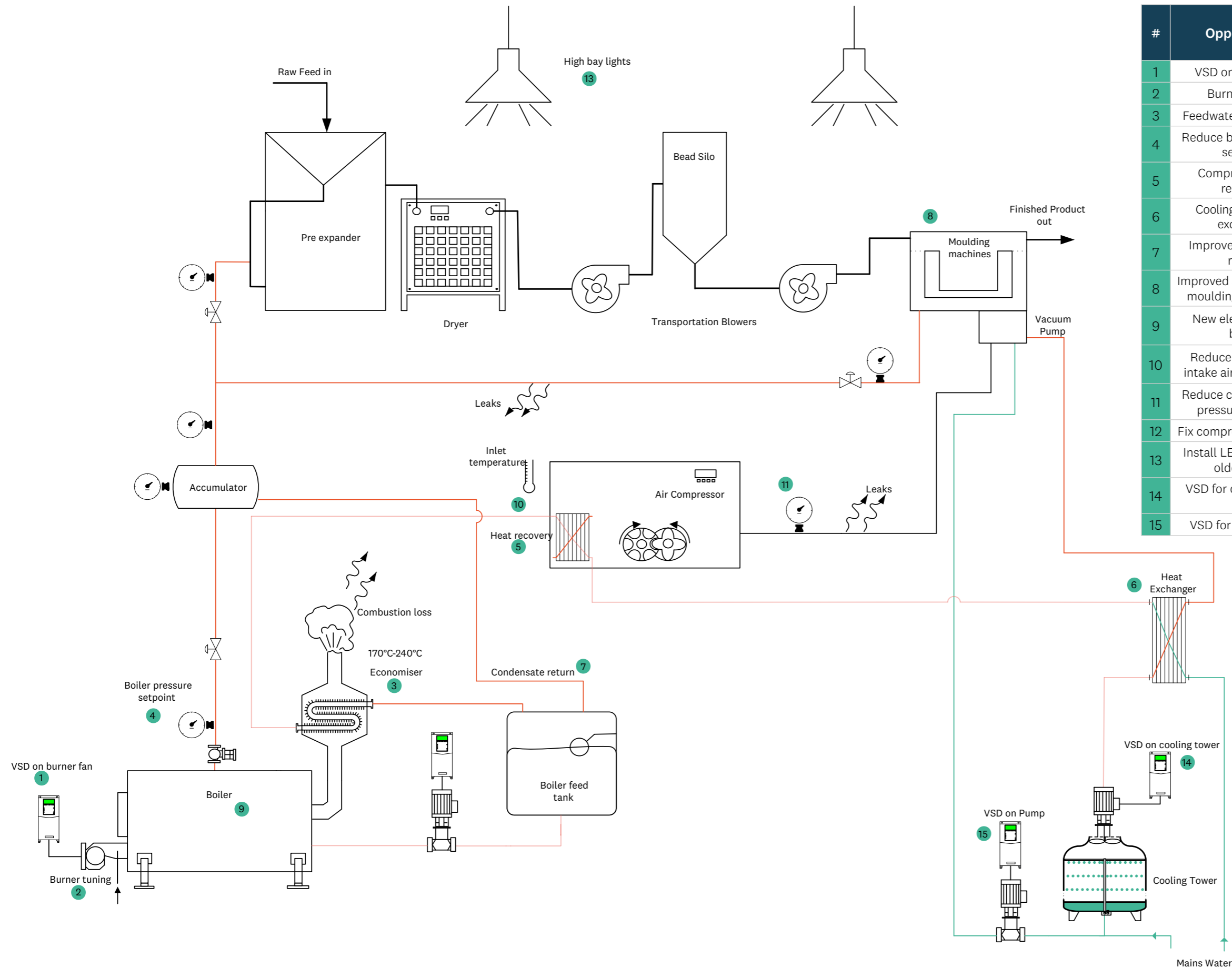


Example EPS plastics energy system

This overview shows an example of EPS manufacturing process and highlights energy saving opportunities.



Energy saving opportunities

#	Opportunity	Fuel energy saving	Elec energy saving	Site net emissions reduction
1	VSD on burner fan	1.3%	-	1.2%
2	Burner tuning	1.8%	-	1.7%
3	Feedwater economiser	4.0%	-	3.8%
4	Reduce boiler pressure setpoint	0.8%	-	0.8%
5	Compressor heat recovery	3.4%	-	3.2%
6	Cooling water heat exchanger	2.7%	-	2.5%
7	Improve condensate return	4.0%	-	3.8%
8	Improved automation on moulding machine(s)	15.0%	-	14.2%
9	New electric steam boiler	100%	(new large load)	60%
10	Reduce compressor intake air temperature	-	0.1%	0.01%
11	Reduce compressor air pressure setpoint	-	0.6%	0.03%
12	Fix compressed air leaks	-	2.2%	0.12%
13	Install LEDs to replace older lights	-	0.7%	0.04%
14	VSD for cooling tower fan	-	0.2%	0.01%
15	VSD for water pump	-	0.2%	0.01%