

Best Practices

- 1.) Slow the process equipment during low production
- 2.) Switch off auxiliary process equipment during idle time
- 3.) Eliminate inappropriate uses of compressed air in machine lines
- 4.) Optimize control set points
- 5.) Waste Heat recovery

Any recommended changes to production must involve discussion and agreement with production leaders

System	Things to Check	Comments
Production Line - General	<ul style="list-style-type: none"> • Opportunities with scheduling the production line during non-production • Opportunities during periods of low load/ idle time • Opportunity with set points. (Temperature/ pressure etc.) • Waste Heat Recovery opportunities • Opportunities with system optimization 	<ul style="list-style-type: none"> • Can the equipment be turned off during breaks? • Is the equipment turned off right after the end of the shift? Can the warm up time be reduced? • Can the equipment be slowed down when production is low? • Is batch production possible? • Is it possible to change the min/max set point requirements to save energy? • Is there wasted energy that can be recovered or reused? • What is the overall system requirement? Operate 2 pieces of equipment at 80% instead of 1 at 40%? • Are there any gaps in the production line that can be shortened/eliminated (where a product can lose heat)
Production Line – Auxiliary Equipment	<ul style="list-style-type: none"> • Opportunities with auxiliary equipment control • Opportunities with auxiliary equipment scheduling • Compressed air inappropriate use in production 	<ul style="list-style-type: none"> • Are exhaust systems / steam supply / water supply inter-locked with production as opposed to running continuously • Can pumps, agitators, etc be pulsed rather than run full time? Throttling of fluid flow? • Heaters left on during idle time • Eg. Compressed air used to move parts/ personnel cooling