

Project Pitches

- Lack of integrated solutions
- Lack of open source tools
- Implemented since version 0.4.0: Analysis of thermal energy conversion systems
- Future steps
 - Include chemical exergy
 - Include exergo-economical methods

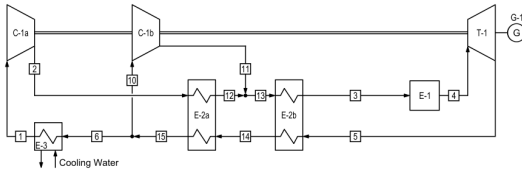
- Set up your thermodynamic model as usual
- Define fuel exergy, product exergy and exergy loss
- Automatic exergy feature does its thing :)

Three lines of code only!

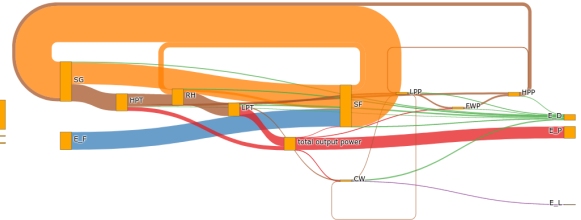
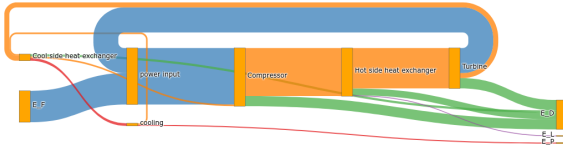
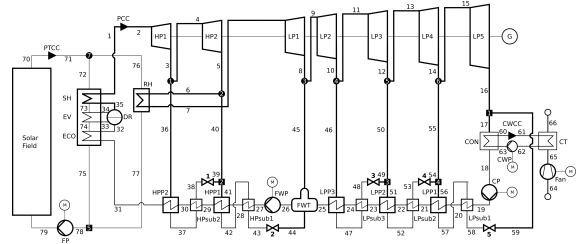
```
from tespy.tools import ExergyAnalysis
[...]  
ean = ExergyAnalysis(mynetwork, E_P=[product_bus], E_F=[fuel_bus], E_L=[loss_bus])  
ean.analyse(pamb=1.013, Tamb=25)  
[...]
```

Publication: Work in progress!

Examples



(c) Recompression, recuperated sCO₂ cycle



Geothermal ORC optimization

