

## Carbon Reduction Potential through Integration

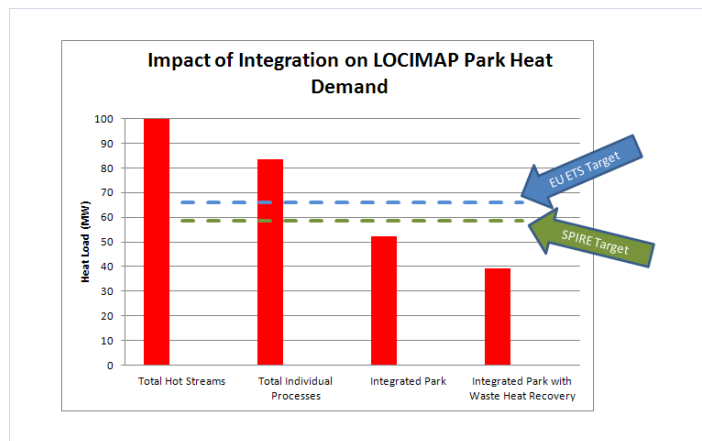
### Goals

- Identify the optimal Low Carbon integration configurations possible for the manufacturing Processes.
- Quantify the expected reduction in carbon emissions achieved by moving from stand-alone to integrated operations and indicate the improved operating economics arising
- Specify possible, alternative process arrangements indicating key system characteristics and carbon efficiencies.

### Approach Taken

- A virtual LOCIMAP park was constructed using process stream data from processes mapped under Deliverable 2.1/2.2/2.3
- Pinch technology was used to define the minimum energy target for combinations of processes and also for the total park. Full residual (waste) heat recovery was considered as a separate option.

### Results



### Lead Partner and other Principle Contributors

- **Lead partner:** Link2Energy Ltd
- **Contributors:** All partners