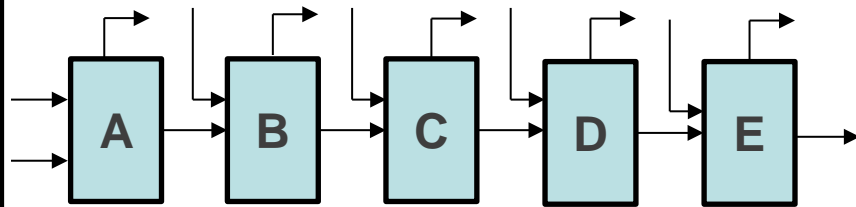


# Process Development for Novel Materials

## 1<sup>st</sup> Generation Process

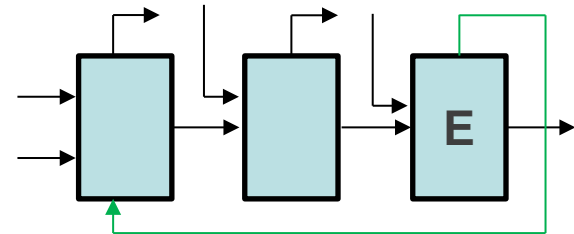


### Process Stats:

5 Steps  
50% Yield  
30% Solvent  
Waste/Product = 10  
**EHS Concerns**

**Innovate** →

## Next Generation Process



### Process Stats:

3 Steps  
90% Yield  
Solventless  
Waste/Product = 1  
**Green Process**

**Lab**

**Pilot Plant**

**Plant**

g's → 10-100 Kg's → 1000's Kg's

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