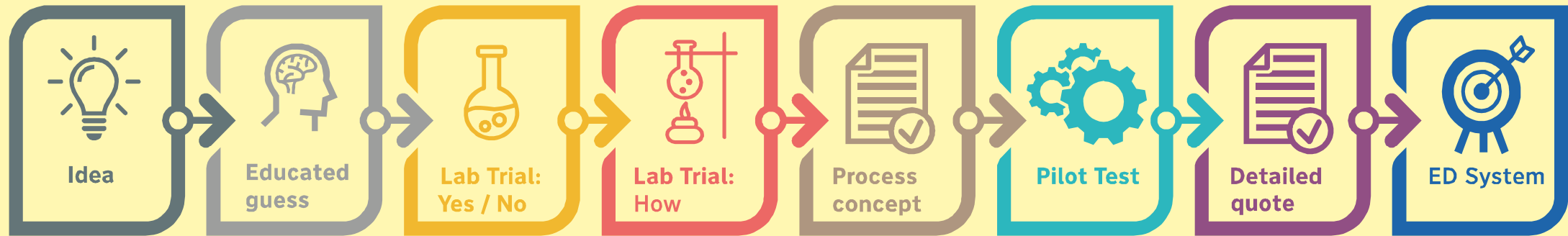


# Electrodialysis in your processing line



Assessment Scheme: From the idea to the implementation of electrodialysis in your process chain.



## STEP 01

### Idea:

Process chain can be improved by smarter handling of ionic components

### Educated guess:

Can this process work according to the experience?

## STEP 02

### Lab Trial „Yes/No“

First experimental test to prove the concept

Laboratory scale experiments  
 - about 2 L feed per batch  
 - produces „real end product“

#### Project mode

- in our house or  
 - at your site  
 (with rented /purchased electrodialysis system  
 e.g. BED 1-2 Compact measurement)

#### Budget

- daily complete inhouse flatrate of 1650 €/d  
 - agreed timeframe before start of work („yes/no“ typical 1-2 d, „how“ typical 3 - 15 d)  
 - rented systems: typical budget 4000 €

### Lab Trial „How“

Experimental work to determine the required area/size, energy...

### Process Concept

(by theory)  
 Report with outlook for upscale to target size „without long term effects/problems“

## STEP 03

### Pilot Test

operational aspects, long term stability, optimised operation

#### Pilot scale

batch volumes of 30 L solution can directly be used in process chain

#### Project mode

in your house with rented pilot platform

## STEP 04

### Detailed quote

for the complete electrodialysis system. We design the system according to your local situation on site and your plant policies.

### ED System

We produce and install your system in your process chain or we provide our process specific engineering to the contractor of your choice.