# TECHNOLOGY NAME

*(Provide a brief introduction to the technology, process description and a schematic)*

*(Please delete the instructions when complete)*

xxx

**Technology schematic**

## TECHNICAL ASPECTS

*(Provide a list of suitable point sources, suitable range of CO2 concentration (mol.%), capture efficiency (%), CO2 purity (%), minimum flue gas pressure (bar) , maximum flue gas temperature (°C), typical scale (ton-CO2/yr), primary energy source (thermal or electricity), and impurity removal/tolerance.)*

* xxx
* xxx
* xxx
* xxx

## FUNCTION IN CCU VALUE CHAIN

*(Briefly explain the function of this technology in CCU value chain including the effects on down/up-stream processes. E.g. if technology can handle impurities then pretreatment or purification steps are not required)*

* xxx
* xxx
* xxx
* xxx

## LIMITATIONS

*(Specify the limitations of the technology)*

* xxx
* xxx
* xxx
* xxx

## ENERGY

*(Briefly explain for what purpose the electricity and heat are used in this technology. Quantitative values (MWh/ton-CO2) should be given in the table ‘Energy and Consumables’.)*

* xxx
* xxx
* xxx

## CONSUMABLES

*(Briefly explain for what purpose the materials, chemicals and other utilities (e.g. process or cooling water) are used in this technology. Quantitative values (kg/ton-CO2) should be given in the table ‘Energy and Consumables’.)*

* xxx
* xxx
* xxx

**Energy and Consumables**

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## COSTS

*(Provide CAPEX in €/ton-CO2/yr and OPEX in €/ton-CO2. Provide a range for overall CO2 capture and avoidance cost in €/ton-CO2 and briefly explain on what factors the cost varies)*

xxx

xxx

xxx

## ENVIRONMENTAL

*(Provide CO2 footprint in kg-CO2/ton-CO2 captured, spatial footprint in m2/ton-CO2 and other environmental impacts, if any.)*

* xxx
* xxx
* xxx

## ENGINEERING

*(Specify current maturity level and time to market if low TRL and comment on retrofittability and scalability)*

* xxx
* xxx
* xxx

## TECHNOLOGY PROVIDERS

*(List technology providers along with their location, if any)*

* xxx
* xxx

## BENCHMARK OR INNOVATIONS

*(Provide a benchmark for your innovation or list the innovations in this technology along with their unique characteristics)*

* xxx
* xxx
* xxx

## INFORMATION MISSING

*(List the missing information)*

xxx

xxx

xxx

## CONTACT INFO

*(List contact info of relevant people)*

xxx

xxx

## ACKNOWLEDGEMENT

*(Provide acknowledgement to any project e.g. MAP-IT CCU)*

## REFERENCES

*(List all the references used in making this infosheet. Citation in the text is by using a number in superscript at the end of sentence.)*

1. xxx
2. xxx
3. xxx