

Syngas

Syngas production from biogas

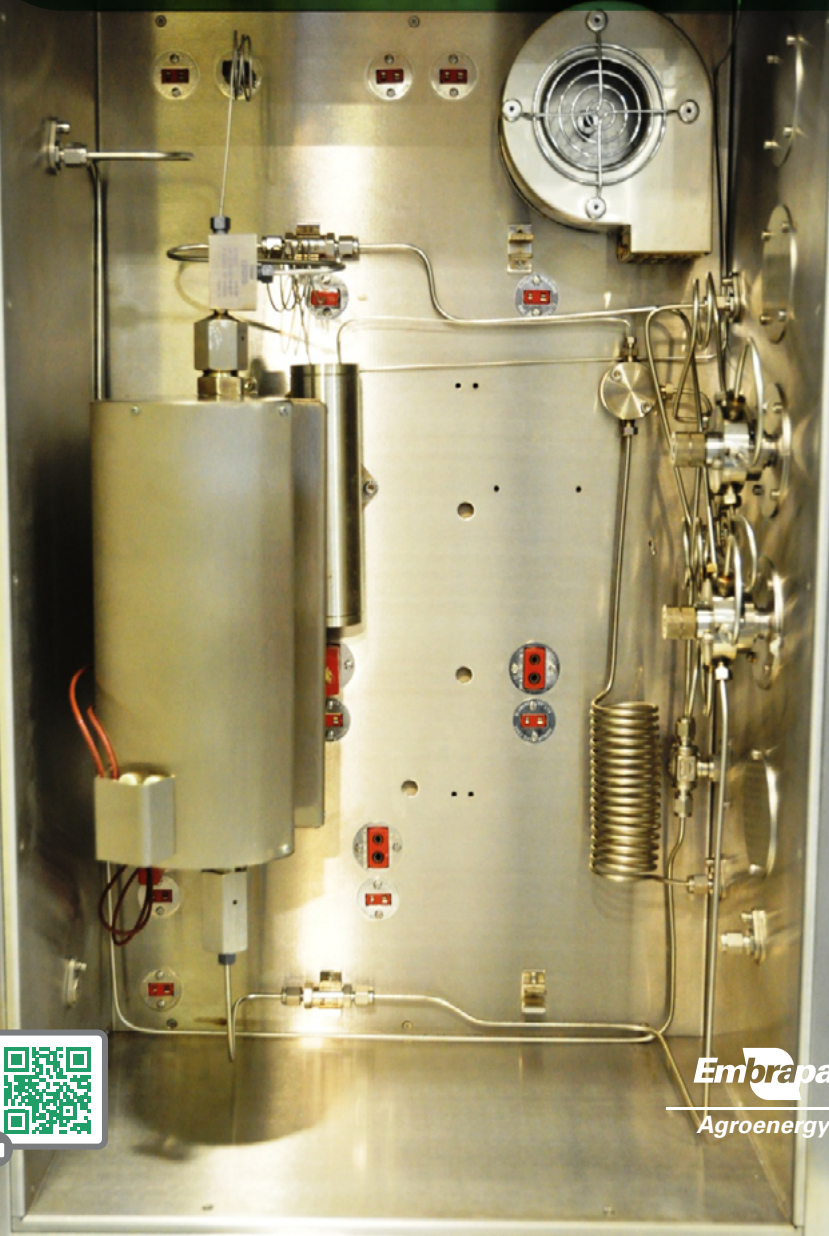


Photo: Apolo Salvador



Embrapa
Agroenergy

Syngas production from biogas

Raw material

Process

End product

Biogas

Catalytic reactor

Syngas

A steam reforming process of biogas to produce syngas, with technology that combines parameter adjustment and catalysts as an alternative to the process that uses reforming of natural gas from a fossil source.

Applications

- + Production of methanol and hydrogen.
- + Synthesis of hydrocarbons.

Advantages

- + High conversion of methane and carbon dioxide.
- + Generation of syngas from a renewable source.
- + Use of low-cost catalysts.

Stage ► TRL/MRL 3 - Lab scale

Take this
technology
to another
stage



Research
with us
for other
potential
uses



Make this
technology
the basis
of your
incubated
company

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