

**- EQ - TECHNOLOGY – PROJECT - SUMMARY -**

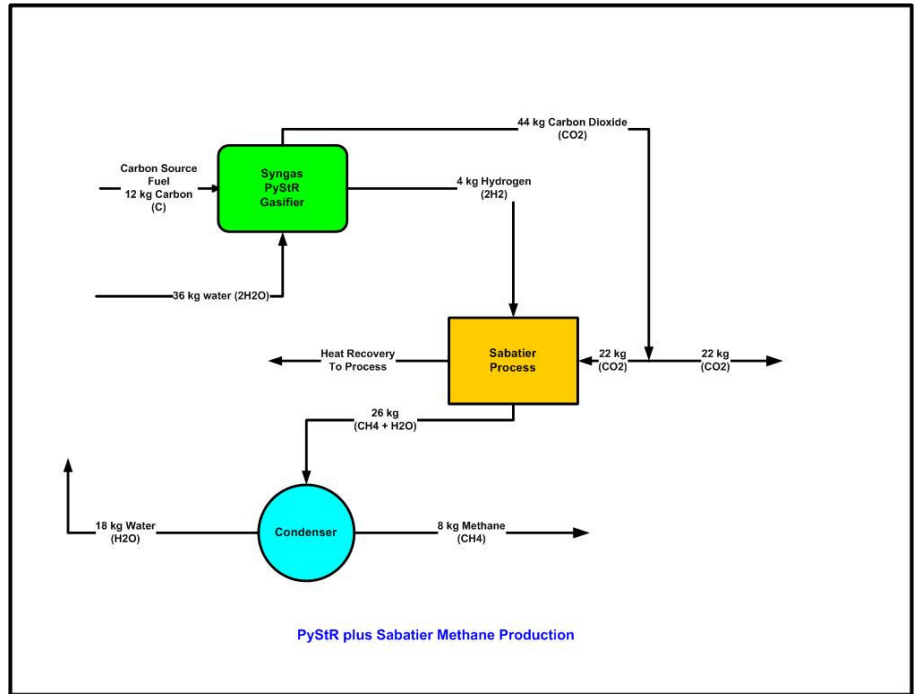
**COAL CONVERSION  
TO METHANE GAS  
USING PYSTR  
HYDROGEN AND CO<sub>2</sub>**

**GASCO EXAMPLE**

<b>Capital Cost</b>
<b>\$64,000,000</b>
<b>Project Revenue 1<sup>st</sup> Year</b>
<b>\$94,000,000</b>
<b>Operational Expenses</b>
<b>\$52,000,000</b>
<b>1<sup>st</sup> Year Operating Cash flow</b>
<b>\$42,000,000</b>

**PENDING PROJECT(S)**

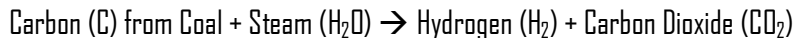
**GASCO – 600,000 M<sup>3</sup>  
OF METHANE GAS  
FROM COAL**



This is a potential South American project for the conversion of coal to pipeline quality methane gas.

The PyStR process would be used for this project. Coal is converted to hydrogen (H<sub>2</sub>) and carbon dioxide (CO<sub>2</sub>) through the PyStR. The clean hydrogen and CO<sub>2</sub> are then sent to a catalytic conversion process and recombined to make methane gas (CH<sub>4</sub>). This catalytic conversion process is known as the Sabatier reaction.

PyStR Simple Reaction:



Sabatier Simple Catalytic Reaction:



Water Produced from the Sabatier reaction, which is near 50% of the total amount used, is sent back to the PyStR for reuse. Excess clean food grade CO<sub>2</sub> from the process can sold to beverage companies.

***For more information: [info@nrgqst.com](mailto:info@nrgqst.com)***