



## News Release

*For Immediate Release*

February 5, 2020

### **HTC Extraction Technology Selected for Carbon XPrize Competition Demonstrating HTC's Leadership in CO2 Extraction and Carbon Reduction**



#### ***“Ten Teams from Five Countries Advance to Finals of \$20M NRG COSIA Carbon Xprize”***

**Regina, Saskatchewan - HTC Extraction Systems (HTC: TSX-V) (OTCQB:HTPRF)** announces that the **HTC's patented extraction technology** has been selected to supply extracted CO<sub>2</sub> for the prestigious \$20 million NRG COSIA Carbon Xprize competition.

#### ***Xprize Press release excerpts:***

**New York** – *“The Xprize competition is four-and-a-half-year global competition, that challenges teams to transform the way the world addresses carbon dioxide (CO<sub>2</sub>) emissions through breakthrough circular carbon technologies that convert carbon dioxide emissions from power plants into valuable products.*”

**Shepard Energy Centre natural gas power plant**  
(providing the CO<sub>2</sub> pre-extraction exhaust stream) -  
[\(Click here for Photo\)](#)

## Alberta Carbon Conversion Technology Centre – Calgary, Ab.

[\(Click here for Photo\)](#)

*The 10 finalists selected range from carbon capture entrepreneurs and start-ups to academic institutions and companies that have been tackling the challenge for more than a decade, the finalists hail from five countries and have already demonstrated conversion of CO<sub>2</sub> into a wide variety of products, such as enhanced concrete, liquid fuels, plastics and carbon fiber. The universe of potential CO<sub>2</sub>-based products crosses a variety of energy sectors, industrial processes and consumer products. Each finalist team passed a first-round evaluation based on the amount of CO<sub>2</sub> converted into products, as well as the economic value, market size and CO<sub>2</sub> uptake potential of those products.*

*In the finals, teams must demonstrate at a scale that is at least 10 times greater than the semifinals requirements at one of two purpose-built industrial test sites. Five of the teams competing will test their technologies at the Wyoming Integrated Test Center (ITC), a cutting-edge carbon research facility in Gillette, WY, USA, co-located with the Dry Fork Station coal power plant. The five teams competing in the Alberta track, will test their technologies at the Alberta Carbon Conversion Technology Centre, (ACCT) a new carbon conversion research hub co-located with the Shepard Energy Centre natural gas power plant in Calgary, Alberta, Canada.”*

HTC has been selected to provide the extracted CO<sub>2</sub> for the Alberta Carbon Conversion Technology Centre (ACCTC), test facility, and has custom designed the HTC CO<sub>2</sub> Extraction plant to provide the required CO<sub>2</sub> as well as provide the flexibility for future CO<sub>2</sub> extraction testing requirements. The plant is being engineered and fabricated with HTC partner ASCO CO<sub>2</sub>, with delivery of the **CO<sub>2</sub> Extraction Plant** expected by April 2020.

*“The \$20 million NRG COSIA Carbon XPRIZE is a global competition to develop breakthrough technologies that will convert CO<sub>2</sub> emissions from power plants and industrial facilities into valuable products like building materials, alternative fuels and other items that we use every day.”*  
(Excerpt from the XPRIZE web site)

## **HTC’s CO<sub>2</sub> Reduction Leadership**

Global Leaders gathered at the **World Economic Forum in Davos** last week to cast a light on the challenges and opportunities that will shape our future prosperity. The theme of “stakeholder capitalism” challenged attendees to determine how business can better serve society.

Microsoft is one of those companies that is making an ambitious commitment to eliminate its carbon footprint by pledging to go "carbon negative" in the next decade and investing \$1 billion to help develop clean technologies.

*“While the world will need to reach net zero, those of us who can afford to move faster and go further should do so,”* Microsoft’s president Brad Smith said in a statement.

**HTC’s renowned technology team, lead by Dr. Ahmed Aboudheir, has been on this path for the past 15 years in providing globally patented technologies to extract CO<sub>2</sub> and help create cleaner energy.** The Xprize demonstration plant will provide a high profile facility that will allow HTC to demonstrate its extraction and reclaiming technologies to energy and industrial processing industry costumers and as well a high volume of “eco business”, “eco bureaucrats” and “eco

tourists” that will be viewing the ACCT facility to see what is being proposed for the capture and utilization of CO2. The Xprize committee is also planning on featuring the ACCT facility on such notable TV programs such NOVA and the Smithsonian Channel, which will provide high profile media exposure for HTC’s extraction solutions.

For more information on Xprize please see [www.xprize.org](http://www.xprize.org)

For more information on HTC Extraction Systems please see [www.htcco2systems.com](http://www.htcco2systems.com)

Additional information related to the Corporation is available for view on SEDAR at [www.sedar.com](http://www.sedar.com).

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