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of Canada

Trade Commissioner
Service

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Service des
délégués commerciaux

Canada

Do business with

CANADA

Veľvyslanectvo Kanady – Obchodná sekcia, Bratislava

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www.kanada.at

TRADE COMMISSIONER SERVICE (TCS)

Kanadskí dodávateľia zariadení **na výrobu vodíka** (nie z metánu)

Elektrolyzéry a čistenie vodíka:

Hydrogenics / Cummins – vo svete 2000 elektrolyzéro, až po najväčšie 5MW PEM moduly;

(obr.: 4 x 5MW, PEM elektrolyzéry, denná produkcia 8.2 t H₂,
elektrina z hydroelektrárne)

<https://www.cummins.com/new-power>

Advanced Flow Systems www.advancedflowsystems.com

Luxfer Canada Ltd. www.luxfer.com

Next Hydrogen www.nexthydrogen.com

Nu:ionic Technologies www.nuionic.com

Xebec Adsorption Inc www.xebecinc.com



Kanadskí dodávateľia Fuel cells systémov (majú pobočky v EU)



Hydrogenics / Cummins

Loop Energy



FOR BUSES, TRAINS AND HEAVY VEHICLES: Ballard Power Systems www.ballard.com ; Hydrogenics/Cummins <https://www.cummins.com/new-power> ; Dana Canada www.dana.com; Hydra Energy Corp. www.hydraenergy.com; Hydrogen In Motion Inc. (H2M) www.hydrogeninmotion.com ; Loop Energy www.loopenergy.com; OverDrive Fuel Cell Engineering Inc www.overdrivefce.ca Palcan Energy Corp www.palcan.com; Zen Clean Energy Solutions Inc www.zenenergysolutions.com

FOR HYDROGEN FUELING INFRASTRUCTURE: Advanced Flow Systems www.advancedflowsystems.com ; Aurora Scientific Corp. www.aurorasci.com; Associated Plastics & Supply Corp. www.associatedplastics.com; Change Energy Services Inc > www.changeenergy.ca; HTEC | Hydrogen Technology and Energy Corporation www.htec.ca; Hydra Energy Corp. www.hydraenergy.com, IRDI System www.irdisystem.com ; Hydrogenics/Cummins <https://www.cummins.com/new-power>; Hydrogen In Motion Inc. (H2M) www.hydrogeninmotion.com; Kraus Global | Dispensing Solutions www.krausglobal.com; Nu:ionic Technologies www.nuionic.com;

RESEARCH AND ENGINEERING: University; Natural Sciences and Engineering Research Council (NSERC) Hydrogen Canada: H2CAN www.h2can.ca; Blue-O Technology Inc www.blue-otechnology.com; CCS Global Group Inc. www.ccsglobalgroup.com; Cellula Robotics Ltd. www.cellula.com; Change Energy Services Inc. www.changeenergy.ca; NORAM Engineering and Constructors www.noram-eng.com; OverDrive Fuel Cell Engineering Inc. www.overdrivefce.ca; Pathway Industries www.pathwayindustries.com; Sacré-Davey Engineering > www.sacre-davey.com; Simulent Consulting Inc www.simulent.com Terrella Energy Systems Ltd www.terrellaenergy.com; Zen Clean Energy Solutions Inc www.zenenergysolutions.com

Canadian Hydrogen and Fuel Cell Association www.chfca.ca

NOVÝ ZDROJ VODÍKA - Splyňovanie odpadov / biomasy

ODPADY – komunálne, priemyselné, biomasa

Tepelné splyňovanie
(ohrevom, plazmou,
parciálnou oxidáciou,
prípadne s vodnou parou



SYNGAS (CO a H₂)

spaľovanie



Elektrina, teplo

chem.



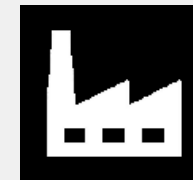
Metanol, Etanol

separácia



VODÍK





Kanadské firmy ponúkajú hotové priemyselné technológie

- pre **splyňovanie odpadov alebo biomasy na syngas** (teraz zo syngasu produkujú elektrinu, biopalivá, technológie však môžu byť použité aj ako **prvý stupeň výroby vodíka**)
- pre **separáciu a čistenie vodíka**



CANADA - Your innovative partner and supplier
Váš inovatívny partner a dodávateľ

**Vyhľadáme vám kanadských dodávateľov, partnerov
pre vaše projekty, sprostredkujeme kontakty**

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Ambassade du Canada**

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