

## Electrification. Accelerating the transition to a clean and prosperous energy future.

### WHAT RF XL CAN DO:

#### A 'Bridge' to A Clean Future - Near Zero GHG Emissions in Petroleum Production:

Since RF XL can be fully powered by renewable electricity, nuclear, or other clean power sources, this electromagnetic heating technology produces near-zero GHG emissions; very different from net-zero GHG emissions resulting from carbon offsets.

#### Clean Production via Electrification:

Aside from enabling low or near zero-carbon heavy oil and oil sands production for as long as fossil fuel development continues, Acceleware believes that RF XL could also be used for:

- green hydrogen production at the surface
- blue in situ hydrogen production
- carbon fibre production
- element extraction
- environmental remediation or reclamation
- grain drying

#### Support "Greening" of the Power Grid:

RF XL can function effectively on off-peak renewable power at lowest cost inputs, meaning improved economics for new renewable power sources whether powering heavy oil, hydrogen or carbon fibre related production, among others. Companies will be financially incented to use renewable power, creating a clean-energy based circular economy.

#### Respect the Land:

RF XL eliminates the need for external fresh water use and uses much less land, and does all this without the use of solvents. Add to this near zero-carbon emissions, and we allow for a healthier ecosystem through which to support biodiversity.

#### Provide Green, High-Tech Jobs:

Acceleware believes that adoption of RF XL will result in rapid creation of clean-tech jobs following successful completion of their ongoing commercial-scale pilot. Electrification ensures that good paying jobs in the oil sector can transition to good paying jobs in the new energy economy. With the ability for quick deployments and technology re-deployments from site to site, we anticipate thousands of jobs created in just a few years, including a focus on skilled job creation for Indigenous peoples.

That's Innovation. **That's ACCELEWARE.**

## AN INTEGRATED ENERGY SOLUTION FOR A RESILIENT ECONOMY.

Technological advancements are making possible the electrification of production methods for Canada's petroleum resources, especially heavy oil and oil sands. This means that we can stop burning fossil fuels to produce fossil fuels, essentially enabling the use of green electricity to produce them – a critical step toward a clean energy transition.

### But RF XL can do much more than produce clean oil.

As the world moves towards a clean energy future, we believe that RF XL could play a key role in reducing or eliminating GHG emissions, as well as making big reductions in fresh water and land use. RF XL does all of this without the use of injected solvents.

In addition to much cleaner oil production, we believe that RF XL can contribute significantly to "bitumen beyond combustion" – the clean production of other energy sources and products from heavy oil and oil sands. Through to hydrogen and carbon fibre production, we expect that RF XL can help to meaningfully bend the emissions curve as soon as 2030 (see reverse).



#### Now is the time to take a big step forward.

Time is of the essence – if Canada wants to capture market share in energy and future high value products, we need big ideas and a development plan that can be rapidly deployed.

#### Next-gen technology means a thriving transition economy.

RF XL positions Canada to be a leader in clean energy development, creating new opportunities and attractive growth prospects. Our vision is one of inclusiveness, diversity, democratization of energy, environmentally responsible prosperity and a thriving transition and next generation energy economy for all.

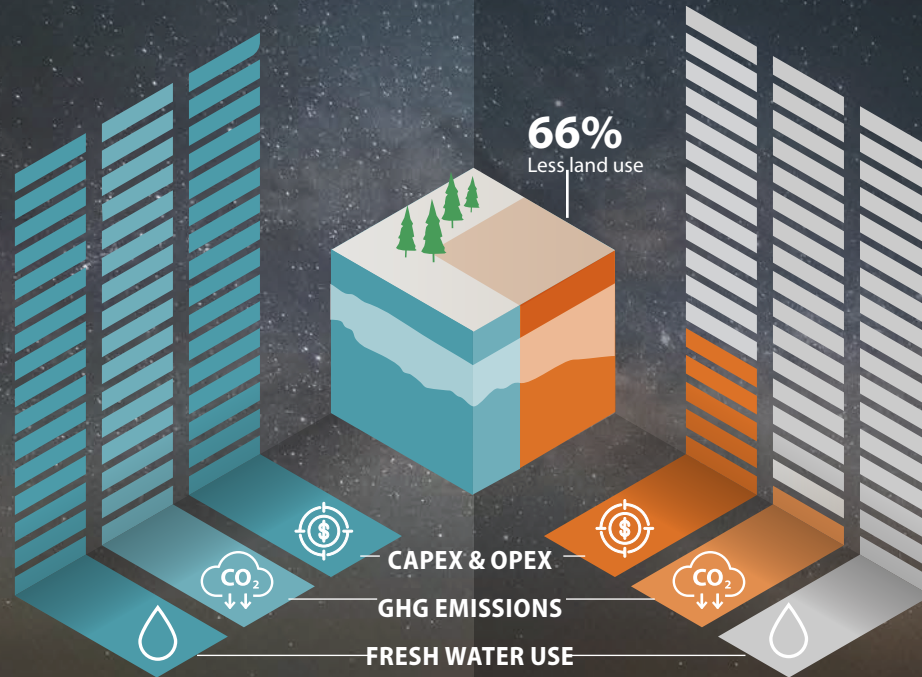
# CLEAN ENERGY MEANS CLEAN GROWTH

We believe RF **XL** can be a major contributor in Canada achieving 2030 Paris Accord emissions reductions.

2020 SAGD

2023 RF XL

## Make Canadian oil production globally competitive



## Create a resilient energy transition economy



### JOB CREATION:

Ensure good jobs in the oil sector can transition to good jobs in the new energy economy and create new green high-tech jobs



### MULTIPLE APPLICATIONS:

RF **XL** can contribute to hydrogen, carbon fibre, asphalt, and minerals production with near zero emissions



### GREENING OF THE GRID:

RF **XL** can act as a curtailable (off-peak) base load for renewables, increasing capacity factor.

### FOR FURTHER INFORMATION CONTACT:

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THAT'S INNOVATION. THAT'S ACCELEWARE

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