

Enabling all retired EV batteries to be repurposed by 2030, to provide worldwide access to **clean, affordable, and reliable power.**

**GURMESH SIDHU**  
CO-FOUNDER & CPO

## ABOUT US

# A Market Leader in Second-Life Battery Energy Storage

### About Moment

Founded in  
**2019**

Headquarters  
**Vancouver**

Employees  
**45+**

### Milestones



The **first company** in North America to secure **UL 1974 certification**.



Filed **6 patents** to enable safe manufacturing and management of second-life BESS.



Deployed **7 second-life projects** in North America with additional 89 projects in the pipeline.



Secured **3 GWh** in battery supply.

### Our Relationships



### Our Projects

**178 MWh**

in qualified funnel projects  
deploying in the next 3 years

## OUR TEAM

# Meet the Powerhouse Behind Our Success

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Forbes **30 under 30** class of 2023.  
Expanded team to over **45 employees**.

- Electrical and Mechanical P. Eng on Staff.
- Certified Fire Protection Engineer.
- Staff on Technical Committees for UL 9540, 1973, NFPA 855

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With talents from..

TESLA • northvolt • HONDA • NASA



## ABOUT US

# Leading With a Proven Commercial Track Record

# 178 MWh

in Qualified Funnel projects  
deploying in the next 3 years



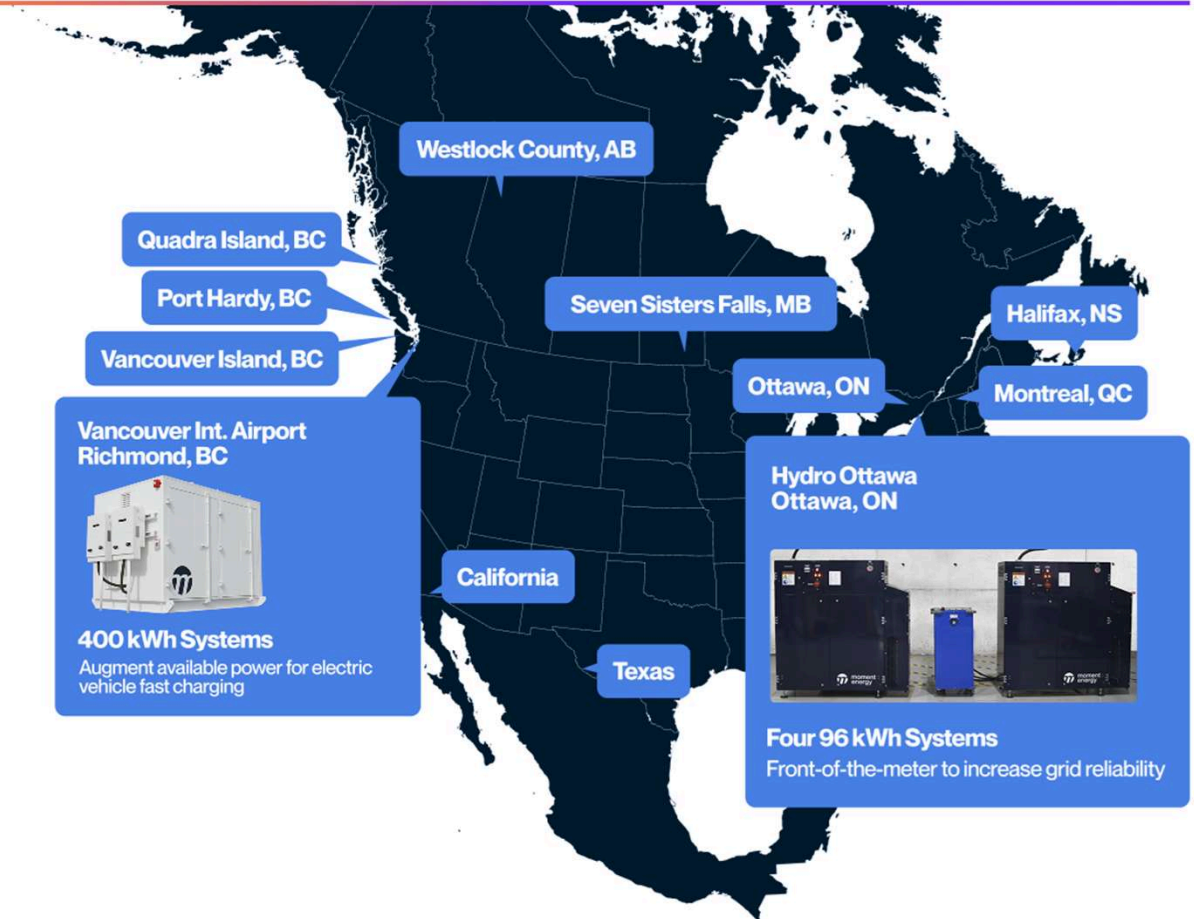
7 Commercial Projects Deployed



99.99% Up Time



1-5 Full Cycles Per Day



## ON-GRID PROJECT

# Utility - BC Hydro

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### The Problem

BC Hydro's client in a semi-remote area often faces power outages due to limited infrastructure.

### Challenges

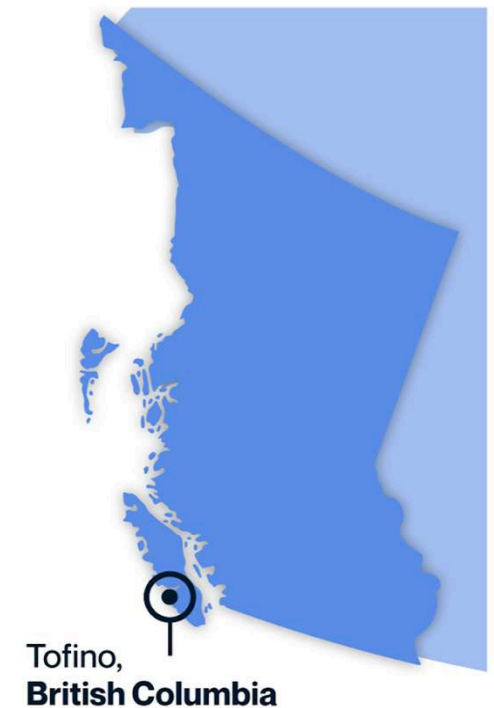
- Outages halt critical equipment due to delayed backup.
- Diesel generators have high GHG emissions and costs.
- Power infrastructure upgrades are costly and slow.

### Our Solution

Introducing a 912kWh BESS with 760kW power for reliable emergency backup and demand response.

### Benefits

- Seamless power during grid failures.
- Reduced GHG emissions and affordable.
- Saves on upgrades and lowers generator maintenance.



## OFF-GRID PROJECT

# Department of National Defence

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### The Problem

Camps and similar sites are diesel dependent which is a significant expense

### Challenges

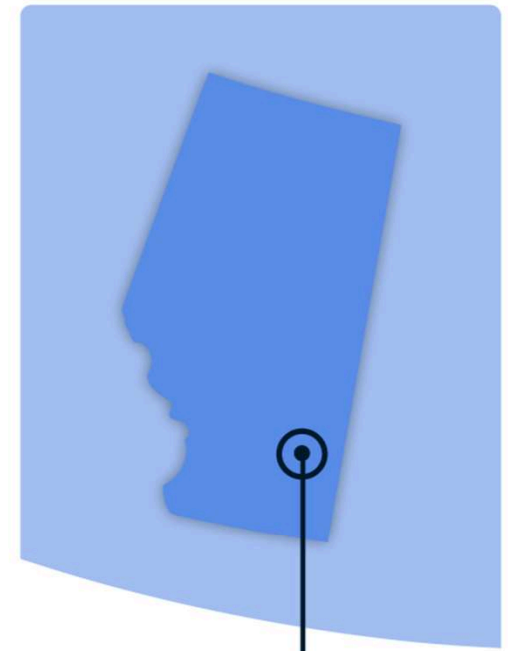
- High transportation costs
- Diesel reliance
- Limited electrical capacity

### Our Solution

Containerized Microgrid supported by Moment Energy BESS, Solar Panels, and Wind Turbines

### Benefits

- Reduce camp Opex
- Eliminate reliance on diesel
- Increase ability for electrification



Suffield,  
Alberta

## OFF-GRID PROJECT

# God's Pocket Scuba Diving Resort

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### The Problem

God's Pocket ecolodge wanted to reduce costs and carbon footprint

### Challenges

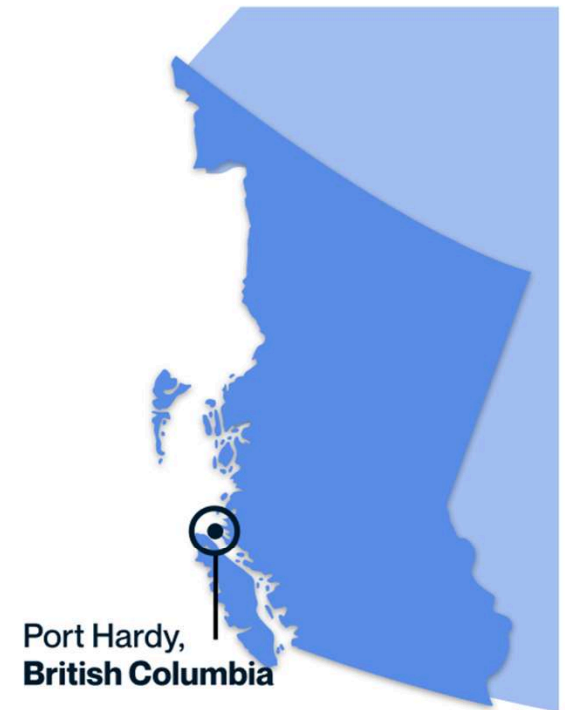
- High diesel transport costs
- 100% dependence on diesel
- Noise and air pollution

### Our Solution

Our technology has reduced diesel generator usage by 66%

### Benefits

- Reduced energy costs
- Reduced GHG emissions
- Reduced noise pollution



## ON-GRID PROJECT

# Vancouver International Airport (YVR)

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### The Problem

YVR's airport fleet is being electrified and will need multiple charging stations and power upgrades

### Challenges

- Expensive and time-prohibitive power infrastructure upgrades
- Not enough available power
- Grid is not prepared for increase in EV charging

### Our Solution

Our technology facilitates power to EV chargers while maintaining power rating of chargers

### Benefits

- Reduce Scope 2 and Scope 3 emissions
- Cost-effective alternatives to upgrading current infrastructure
- Optimize the operation of a high powered charger



**SAFE REPURPOSING**

# Safety at the Core of Our Mission

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**75% Less CO<sub>2</sub> than  
New Lithium**



**UL1974 Creating a Safe Second Life for  
Electric Vehicle Batteries**



**UL 9540, the Standard for  
Energy Storage Systems  
and Equipment**

**Safety At The Core Of Our Mission**



**Circular Economy  
for EV Batteries**



**Profitable EV Battery  
Repurposing**



**UL 9540A, Test Method for  
Fire Propagation in BESS**



**UL 1973, Batteries for Use in  
Stationary Applications**

# Luna Battery Energy Storage System - 1 MWh



## Features



1 MWh max capacity per unit



500 kVA max power per unit



480 Vac 3-phase input & output



Scalable up to 10 MWh



Outdoor rated system



Modular form factor provides flexibility

## System Applications



Peak Shaving



EV Charging Support



Backup Power



Load Shifting



Renewable Integration

# Luna Battery Energy Storage System - 400 kWh



## Features



400 kWh capacity per unit



200 kVA max power per unit



480 Vac 3-phase input & output



Scalable up to 10 MWh



Outdoor rated system



Modular form factor provides flexibility

## System Applications



Peak Shaving



EV Charging Support



Backup Power



Load Shifting

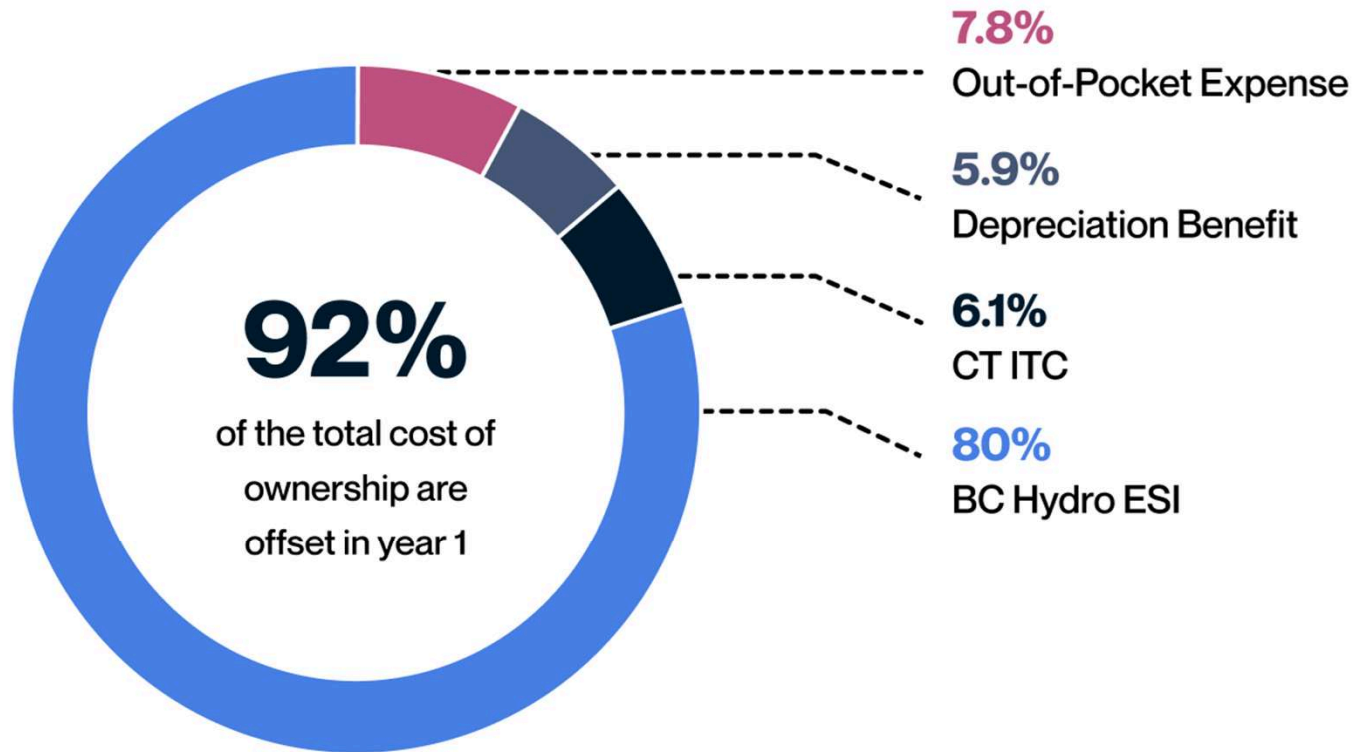


Renewable Integration

**INCENTIVES**

# Reduce 92% of Your Turn Key Battery Energy Storage System

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## BACK UP POWER APPLICATION

# BC Businesses Lose Over \$240K Annually from Blackouts

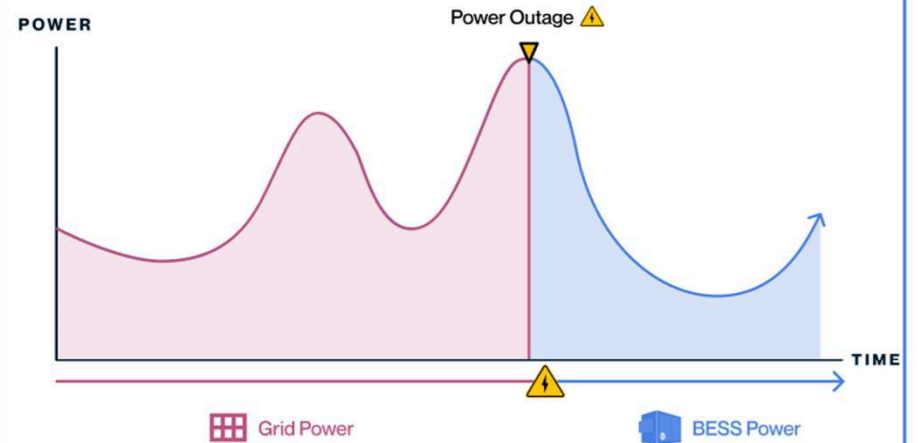
### The Problem

1 hour of downtime can cost over

**\$20,000**

- Lost Revenue
- Damaged Equipment
- Productivity Losses
- Safety Concerns

### The Solution



## THE PROBLEM SPACE

# Demand Charges Cost BC Businesses Over \$120K Annually

### The Problem

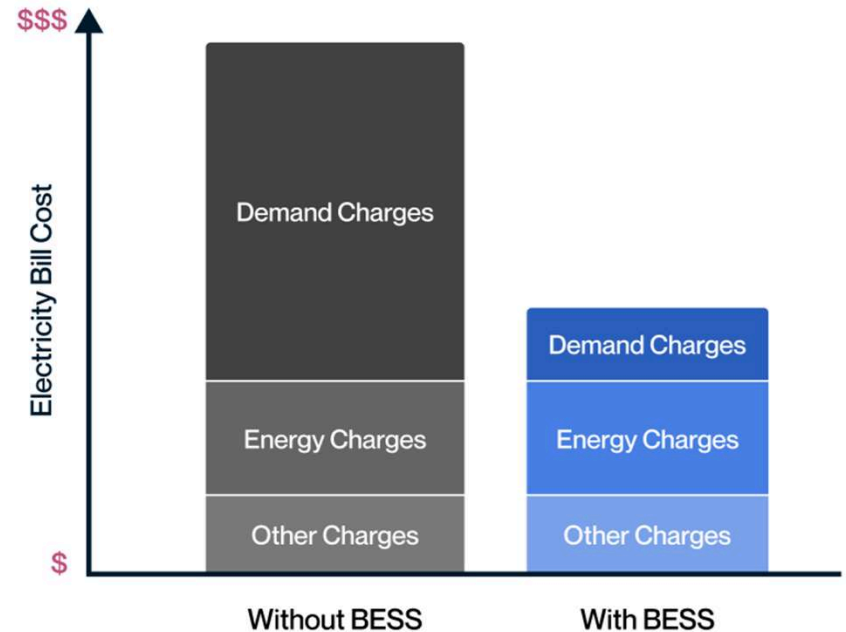
Demand charges  
make up to...

# 70%

of commercial electricity bills<sup>1</sup>

- Unpredictable and Volatile
- Financial Burden
- Disproportionately High
- Barrier to Sustainability

### The Solution



## EXECUTIVE SUMMARY

# Achieve Return on Investment in 1.5 Years

### Project Cost Breakdown

BC Hydro ESI	80%
CT ITC	6%
Year 1 Depreciation	5%
<b>Out-of-Pocket Expense</b>	<b>8.3%</b>

### Out-of-Pocket Expense

**\$115,000**

For a **\$1.5 M (2 MWh)** project, the customer's out-of-pocket expense is **\$115,000**.

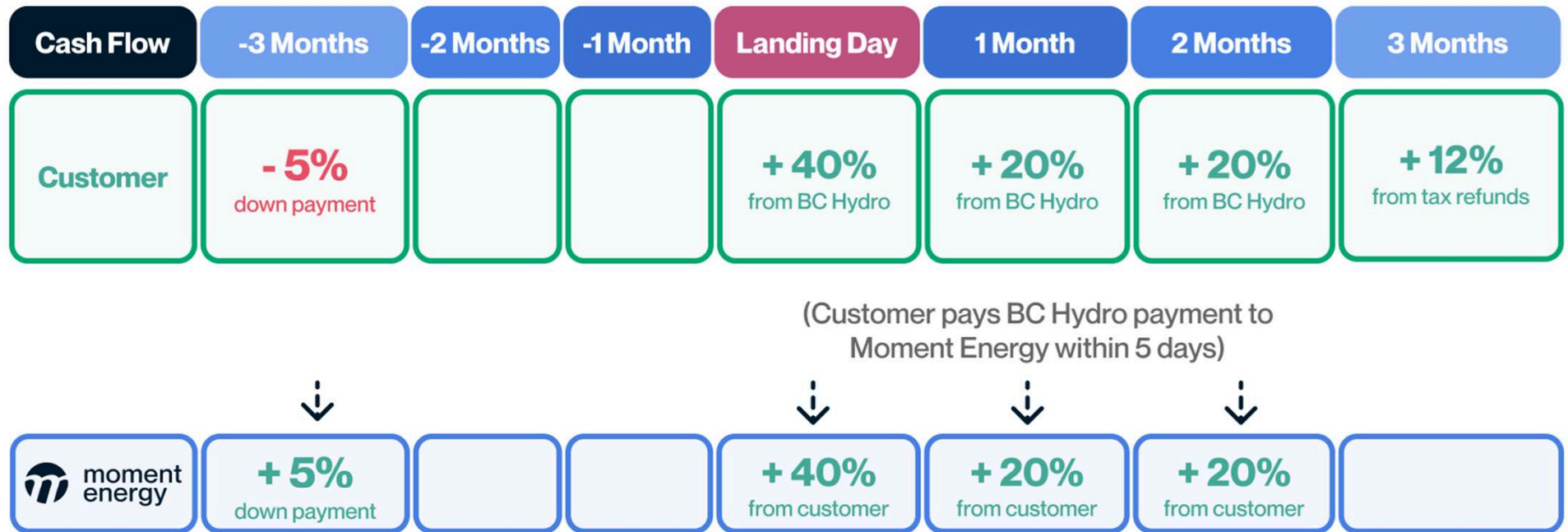
### Return on Investment

**1.5 Years**

For a **\$1.5 M (2 MWh)** project, the customer will receive their ROI in **1.5 years**.

EXECUTIVE SUMMARY

# Typical Payment Schedule



The customer is subject to recurring payments for the remaining balance after the incentive.

## MEET OUR TEAM

# Next Steps in Our Collaboration

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## Our OpEx Model



Reduced negative  
cashflows time



Earn profitability based on  
outages and demand charges



Amortize expense  
over the life of asset

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