

Intelligent Land Investments Group



Pumped Hydro The Biggest Batteries on Earth!

Mark Wilson CEO

Oct 2021





- Clean energy development company focused on energy storage, primarily in Scotland.
- Develop electricity storage projects to 'development-ready' status.
- Development project portfolio includes 2GW of Pumped Storage Hydro (PSH) and over 1GW utility scale battery storage projects with green hydrogen to follow.
- Over the last year, ILI has acquired investors for 250MW of our battery storage projects.
- Our first 450MW PSH project achieved planning approval in June 2021

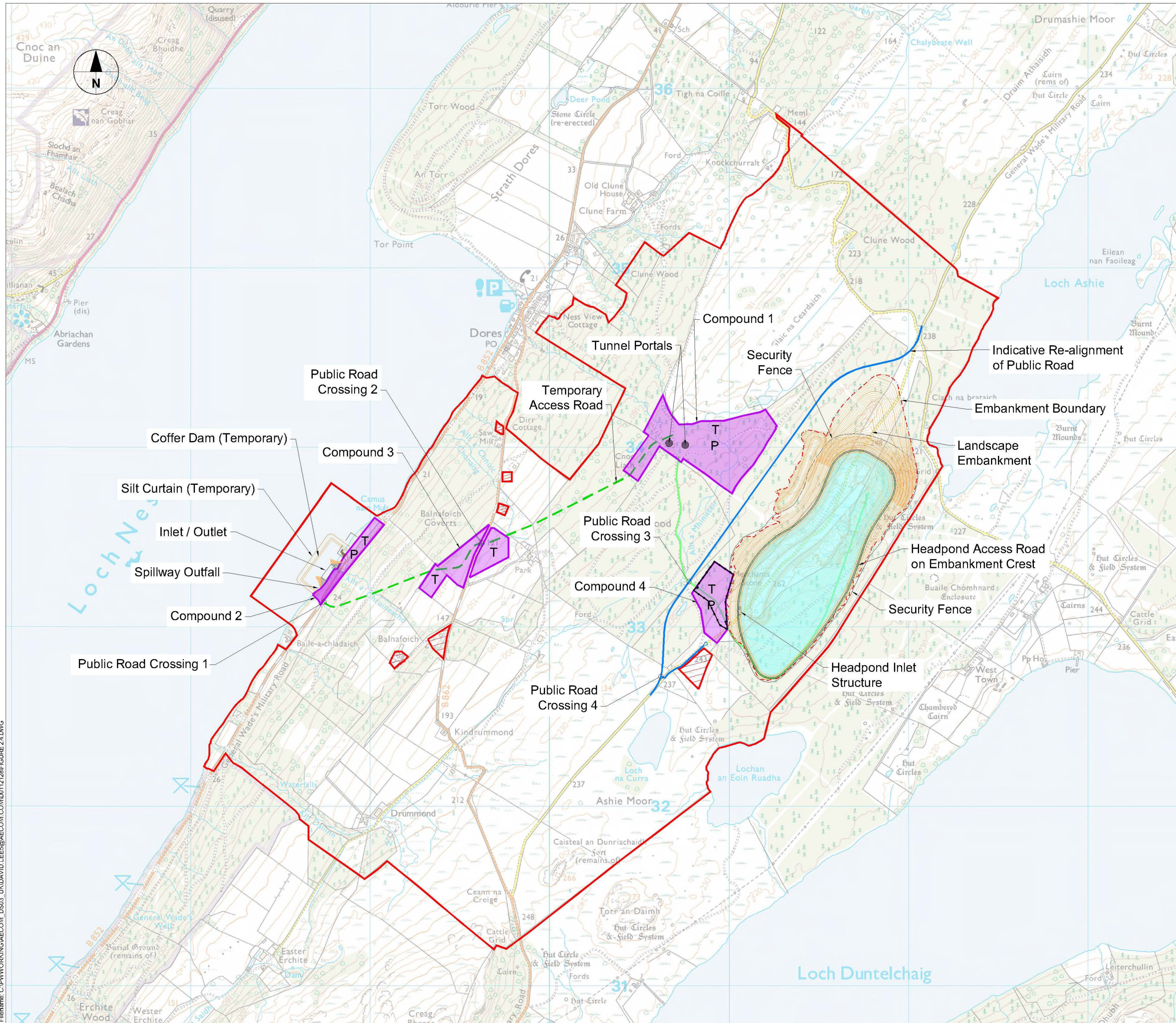
The growing need for electricity storage

- Over the last year, Covid and low electricity demand is giving us a **glimpse into the future**, where electricity production is dominated by renewables. For example:
 - In the UK, carbon emissions from electricity have fallen to record low, but balancing costs have increased significantly,
 - In the US, security of supply is at greater risk with rolling blackouts in California and major power outages in Texas.
- Additional **flexible pumped storage** generation would have allowed more renewable generation to run, reduced the costs of balancing, and enhanced security of supply.
- There is strong evidence to show that **more storage is needed**, and that PSH can deliver the lowest cost, large scale, long-duration storage.
- But **policy reform is needed** to give confidence to investors in high capital cost projects.
- As well as decarbonisation, security of supply, and cost benefits, PSH construction projects can provide a well-needed **economic boost** to help recover from Covid.

Red John PSH

Project Management Initials: CA Designer:AW Checked:DL Approved:CA

Last saved by: LEEDR2018-11-01 Last Printed: 2018-11-01
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AECOM

PROJECT
 RED JOHN PUMPED STORAGE HYDRO
CLIENT
 ILI (Highlands PSH) Ltd.
KEY

- Development Site Boundary
- Public Road - Permanent Realignment
- Access Road - Permanent
- - - Access Road - Temporary
- Headpond & Water Surface
- Tunnel Access Portal
- Temporary Construction or Permanent Compounds
- Area Excluded From Development Site Boundary

- NOTES**
1. All dimensions are indicative and in metres unless otherwise noted. Do not scale.
 2. All levels in metres and reduced to ordnance datum unless otherwise noted.

TITLE
 FIGURE 2.4
 THE DEVELOPMENT LAYOUT
 ABOVE GROUND

REFERENCE
 RJ_181004_EIA2.4_v1
SHEET NUMBER
 1 of 1
DATE
 04/10/18

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Red John PSH

- Located at Loch Ness
- 450MW installed capacity
- 2900MWh storage capacity
- Proposed configuration of 3x150MW fixed and 50MW of Utility Scale battery
- Planning consent achieved June 2021
- Grid connection 2027

Red John PSH – Project Benefits

- Red John represents a potential investment of hundreds of millions of pounds
- The project is calculated as saving 45 million tonnes of CO2e over its lifetime
- The landscaping plan replaces commercial forestry with broadleaf indigenous trees, actively manages and enhances ancient woodland, and creates new wet-land environments.
- A jetty is to be made available for water taxis, to encourage commerce and tourism across the Loch.
- We're supporting the local football team, through sponsorship and an agreement to use their land as a 'park and ride' facility to transport workers to and from site.
- Enhanced walking and cycling routes will encourage tourism, with information boards providing a renewed focus on the local history and culture of the area.

Red John PSH – 3D Video Artists Impression



Thank you

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Intelligent
Land Investments
GROUP

The logo consists of a stylized green and blue diamond shape composed of horizontal lines, positioned above the company name.