# Aternium appoints CH-IV International to strengthen delivery of first-of-a-kind hydrogen and heavy water project

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**Aternium has appointed CH-IV International as Owner's Engineer for its large-scale infrastructure development programme, a move designed to strengthen project governance and execution as the company advances one of the most ambitious clean energy and critical materials projects currently under development in North America.**

The appointment comes as Aternium prepares for the delivery of its flagship facility, which is expected to begin construction in the first quarter of 2027. The project aims to produce both clean hydrogen and heavy water, creating a domestic supply chain for a strategic material that is currently unavailable across the Western Hemisphere.

For project professionals, the announcement highlights the growing importance of independent engineering oversight in complex industrial projects where technology innovation, regulatory compliance, stakeholder management and execution risk must be carefully balanced.

## Owner's Engineer role becomes critical

CH-IV International will act as Aternium's technical representative throughout project development and execution, providing independent engineering oversight across the programme lifecycle.

Its responsibilities will include interface management, technical assurance, risk mitigation and coordination between engineering, procurement and construction (EPC) partners.

The appointment reflects a wider trend across major energy and infrastructure developments, where

project owners are increasingly turning to Owner's Engineer models to improve governance, strengthen delivery assurance and reduce execution risk before construction begins.

On large capital projects, particularly first-of-a-kind developments, the Owner's Engineer plays a critical role in ensuring project objectives remain aligned throughout design, procurement and construction activities.

## Managing complexity in emerging energy projects

Aternium's planned facility sits at the intersection of several rapidly evolving sectors, including hydrogen production, advanced manufacturing, critical materials and energy security.

Projects of this nature typically involve multiple technical disciplines, evolving regulatory frameworks, new supply chains and significant stakeholder scrutiny, creating a delivery environment where robust project controls become essential.

Andrew Cottone, Founder and Chief Executive Officer of Aternium, said:

*"Our projects sit at the intersection of advanced technology, industrial scale and regulatory complexity. CH-IV brings the experience and judgement required to manage interfaces, reduce execution risk and ensure that owner intent is carried through every phase of the EPC process."*

## Supporting execution readiness

CH-IV's role will extend beyond technical review to include support for safety management, constructability assessments, regulatory compliance and overall project governance.

For project leaders, the engagement demonstrates how successful project delivery increasingly depends on early-stage planning, integration management and independent assurance rather than relying solely on contractor performance during construction.

As major energy transition projects continue to grow in scale and complexity, owners are placing greater emphasis on establishing delivery frameworks capable of identifying risks before they impact schedule, cost or project outcomes.

Mona Setoodeh, President of CH-IV International, said:

*"We are pleased to have been selected as part of such a visionary team and look forward to supporting Aternium's success in this unique and innovative project. Our expertise in advancing industrial projects will support Aternium's objective to deliver affordable industrial clean hydrogen and scalable energy solutions."*

## Building a delivery platform for growth

The appointment is the latest step in Aternium's effort to establish a comprehensive delivery platform capable of supporting large-scale industrial developments focused on clean energy and strategic

manufacturing resilience.

For the wider project management community, the announcement serves as a reminder that while emerging technologies often attract the headlines, successful delivery ultimately depends on proven project governance, technical assurance and disciplined execution.

As governments and industry continue investing in hydrogen, clean energy and critical material supply chains, the ability to manage complex programmes through strong owner-side project controls is likely to become an increasingly important differentiator between successful projects and those that struggle to move beyond the planning stage.