



## DeNovo, Trinidad and Tobago

### Key Facts

**Company:** DeNovo Energy Limited, Proman

**Website:** [www.denovo.energy](http://www.denovo.energy)  
[www.proman.org](http://www.proman.org)

**Industry:** Oil and Energy

**Specialities:** Natural Gas, upstream and offshore

**EAM Partner:** Visual K

**Headquarters:** Trinidad and Tobago

### Product Used:

- HxGN EAM (formerly Infor EAM)
- Infor OS



### HxGN EAM and Visual K fuel DeNovo's digital transformation

**DeNovo Energy Limited is an energy company focused on meeting the energy needs of Trinidad and Tobago with specific focus on the petrochemical sector.**

With strong local capability and global collaboration, DeNovo is distinguished for delivering innovative results to meet current and future energy needs. DeNovo believes in collaborating with global best-in-class players to remain globally competitive.



**Configuration was simple and complex at the same time. We went through a few iterations to get things right, and today we see the huge benefit of what we have done. HxGN EAM has become the backbone of our integrated systems, and gives us an agile structure.”**

**Terrence Panchoo**  
IT manager, DeNovo Energy Limited

By teaming up with HxGN EAM, DeNovo was looking to further optimize its operations with easy 24/7 access to resources, information, and tools from fixed or mobile devices.

## EAM a priority from the ground up

“DeNovo’s primary goal is to deliver safe operations at the highest standards” in line with its values, ensuring that the best interest of everyone from shareholders, to partners, to colleagues, communities, country, and environment, is achieved through all that they do.

When DeNovo brought its operations to Trinidad and Tobago, it had an advantage over legacy energy providers in that it was building a new facility. Being a relatively small organization among much larger and established energy entities, the company knew it needed a robust asset management and maintenance scheduling system. This meant evaluating and planning for every individual component of the facility, ensuring it worked to optimize its operations as much as possible. That process began before the facility started construction in 2017.

The design and implementation processes for work management, maintenance planning, control of work, materials management, management of change, isolations, and lockout tag-outs were firmly in train before the plant commissioning started. HxGN EAM has been tightly integrated with DeNovo operations from the start, and resulted in a consistently steady state for the DeNovo asset.

**“Mobility, efficiency, and data-driven are not buzzwords at DeNovo, it is a part of who they are and how they work. Enabling and embedding these capabilities were critical components of the IT strategy that selected HxGN EAM. EAM and Visual K were not just software providers or channel partners to us, they were true partners who understood our business and ways of working, ensuring the best outcome and continuous improvement through the implementation of fit-for-purpose products and services that support the organization on a daily basis.”**

Richard Shepherd  
Head of Technology, Proman

## Business challenges

- Build a digital-native organization from inception
- Limit the number of systems to meet all the management and operational requirements
- Seamless integrations with best-in-class solutions
- Meet strict regulatory requirements and control by Ministry of Energy
- Operate in a highly competitive environment

## End-to-end, streamlined operations

The implementation process began with DeNovo drafting a set of operating standards which followed industry best practices and regulations. Visual K, an EAM integration specialist, had a very clear vision of the workflows and requirements. Through configuration of both HxGN EAM and the Infor OS cloud platform, Visual K was able to meet the operating standards to the letter and to the satisfaction of the company.

At DeNovo, a technician can use a mobile device to identify a corrective action to be performed on a piece of equipment in the field. They can review assets from the registry, review technical drawings, submit work orders, and request any parts, materials, or services required. There are direct linkages via this tool to inventory, the purchase-to-pay process, control of work, and the work management areas.

Focused on continuous improvement and digital transformation, DeNovo quickly realized it had an opportunity to further optimize its EAM systems through automation. Specifically, it wanted to connect its EAM to its financial system to provide better reporting that not only supported sustainability and growth, but also met stringent regulatory requirements.

Challenged with the need to optimize its business model, DeNovo kept in line with its technology strategy and reviewed many different cloud-native tools that could meet its requirements. After evaluating several vendors, DeNovo chose HxGN EAM Mobile, running on the AWS cloud platform, for its forward-looking functionality, leading-edge mobile field work applications, and integration capabilities.

DeNovo was able to integrate EAM and its existing Financials within the needed timeframe and budget parameters. Except for the actual payment, the entire cycle which includes requisition to purchase order, with its corresponding approvals, receipts, invoice entry, matching, and approval is conducted using HxGN EAM and Infor OS (Ming.le). Approved invoices are automatically sent through Infor ION to SAP ByDesign for the actual payment.

Today, HxGN EAM integration with DeNovo financials through Power BI allows them to tie budgets to cost centers. All other departments, including engineering, production, maintenance, and procurement, have access to the integrated data.

“Whatever our initiative, we have gotten great support from HxGN EAM and Visual K. They have always treated us as a priority, and that is unique” said Terrence Panchoo.

 **We believe that the implementation of the management of change process at DeNovo, using the HxGN EAM and Infor OS tools, is second to none in the industry.”**

**Angel Torres**  
EAM, Practice Lead at Visual K

## Business results

- Fully-automated work order processing
- Access to EAM data and metrics
- Cross-functional and seamlessly integrated EAM/financial reporting via Power BI
- Full mobility of all EAM data
- Staff access to critical and needed data across the organization, from production to procurement
- Limited risk of downtime

## Scalability and security in the cloud

The EAM solution allowed DeNovo to maximize efficiency by utilizing all the functionality that was available to the team. HxGN EAM runs within the Amazon Web Services cloud and provides DeNovo with crucial data protection, as well as the assurance of operational continuity with access to information anytime, anywhere.

Whilst the current focus has been on upstream E+P, DeNovo has already identified other energy sectors where the solution can be applied.

## Functionality for success and transformation

- Infor OS is the cloud technology platform that interfaces and connects DeNovo’s SAP Financials solution and HxGN EAM through Infor ION®
- Infor OS (Ming.le) is used for requisitions, purchase order, and invoice approvals from the managers’ smartphones
- Management of Change (MOC) uses HxGN EAM and Infor OS in smooth tandem
- HxGN EAM Data Lake serves as a central data repository allowing data exchange
- Open CAD module supports configuration and fixes drawing issues

## A foundation for growth

HxGN EAM was flexible enough to meet the unique and stringent standards of the oil and gas industry, as well as the expectations of both DeNovo and its parent company for a flexible and holistic system. Both powerful and intuitive, it has been embraced by DeNovo's staff, opening endless possibilities for further digital transformation.

DeNovo sees itself as a company with an appetite for innovation, not only in what it brings to the marketplace, but in its technology infrastructure. With one of the industry's highest asset uptime of 99.8%, it attributes its success to its embrace and use of software and technology.

To learn more, visit [eam.hexagon.com](https://eam.hexagon.com)



**Visual K and HxGN EAM are excellent at what they do.**

**They have assisted us throughout the process, from design, to showing us the possibilities of what we can do and automate within the system. They were really critical in moving us forward to being an extremely efficient operator.”**

**Terrence Panchoo**

IT manager, DeNovo Energy Limited

## About Hexagon

Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build, and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 22,000 employees in 50 countries and net sales of approximately 4.3bn EUR. Learn more at [hexagon.com](https://hexagon.com) and follow us @HexagonAB.