

## **BOROUGE TO IMPLEMENT AI-POWERED AUTONOMOUS UAE OPERATIONS TO ENHANCE PRODUCTION EFFICIENCIES**

- *Borouge and Honeywell to collaborate on proof of concept for autonomous operations to enhance Borouge's UAE production capabilities and operational efficiency*
- *Strategic projects part of Borouge's AI, digitalisation and technology programme (AIDT) demonstrating company's AI leadership*
- *Company targeting \$575 million in value generation from AIDT in 2025*

**ABU DHABI, UAE – 25 June 2025:** Borouge Plc, a leading petrochemicals company that provides innovative and differentiated polyolefins solutions, is collaborating with Honeywell to conduct a proof of concept for AI-powered autonomous operations that enable control room autonomy and are expected to revolutionise Borouge's UAE plant operations.

The collaboration between Borouge and Honeywell marks a global breakthrough in autonomous operations, set to deliver the petrochemical industry's first AI-driven control room designed for full-scale, real-time operation, establishing a new standard for the future of AI in petrochemicals.

As part of the collaboration agreement, both companies will bring their expertise in process technology and autonomous control capabilities to identify new opportunities to deploy Agentic AI solutions and advanced machine learning algorithms. The initiative aims to establish a new standard in the petrochemical industry for efficiency and sustainability by leveraging autonomy.

The strategic collaboration agreement was signed on the sidelines of the Make it in the Emirates exhibition by Hazeem Sultan Al Suwaidi, Chief Executive Officer of Borouge and George Bou Mitri, President of Honeywell Industrial Automation, Middle East, Turkey, Africa, Central Asia. This initiative aims to deploy the proof of concept technologies to enhance Borouge's operations across its Ruwais facilities in the UAE.

Autonomous operations will enable Borouge to optimise production, reduce energy use, and enhance safety while reducing costs at what will be the single largest petrochemical site in the world.

**Hazeem Sultan Al Suwaidi, Chief Executive Officer of Borouge,** said: "Borouge's AI, Digitalisation, and Technology (AIDT) transformation programme is setting new standards in operations, innovation and business performance. By collaborating with global leaders in Artificial Intelligence like Honeywell, we are accelerating growth, driving efficiency, and enhancing

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shareholder value. This project strengthens Borouge's competitive edge as we continue to deliver on our ambitious AIDT roadmap."

**George Bou Mitri, President of Honeywell Industrial Automation, Middle East, Turkey, Africa, Central Asia**, said: "Our collaboration with Borouge is a clear example of how joint efforts can accelerate innovation across industry. By integrating AI and automation technologies into core operations, we are helping unlock new levels of efficiency, safety, and performance. This agreement shows how advanced technologies, applied with purpose, can reshape industrial operations at scale."

The project is a key component of Borouge's companywide AIDT programme, which is projected to generate \$575 million in value this year. With a diverse portfolio of over 200 AIDT initiatives covering operations, health and safety, sales, sustainability, and innovative product development, Borouge generated value of \$573 million in 2024.

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## Notes to Editors: Borouge's AIDT programme and growth plans

### Transforming the industry

Borouge has already revolutionised industry practices through the installation of the world's largest Real-Time Optimisation (RTO) system across three large-scale ethane crackers and 20 furnaces. The initiative analyses over 2,500 parameters per minute, enabling instant data-driven decisions, significantly enhancing productivity, optimising energy consumption and reducing emissions. The unique system minimises ethane dumping and optimises resource use, in line with Borouge's commitment to sustainable growth and operational excellence.

### Accelerating innovation

Borouge has already invested in its state-of-the-art Innovation Centre located in Abu Dhabi and is now using advanced AI-powered tools to accelerate innovation, enabling the company to bring new grades of advanced polymers to market quicker. In collaboration with ADNOC AI Lab, Borouge has completed its first "Polymer Optimisation" programme, achieving a 97% accuracy, enabling Borouge to reduce its development timeline from months to weeks.

### Enhancing sales and customer experience

To optimise its value chains, Borouge has developed an advanced planning system. The Sales and Operations Planning (S&OP) business optimisation solution, generates an end-to-end

integrated plan from feedstock to the customer, maximising planning efficiencies across the company's production, packaging, and international logistics network. By incorporating advanced digital modelling and simulation tools, Borouge is also able to compare multiple complex scenarios in real-time to improve supply chains, accelerate product delivery and enhance customer experience.

### **Strengthening ESG and HSE**

Borouge has a strong ESG track record and AIDT will continue to play an important role in supporting its Net Zero by 2045 commitment. Through AIDT solutions, Borouge is able to continuously optimise real-time data to reduce carbon emissions and identify potential hazards to maintain employee safety. The company is actively upskilling its 2,900+ strong global workforce through its dedicated AI programme, featuring a blend of face to face, virtual and on the job project training.

### **Supporting future growth - commitment to attractive and growing dividend**

Borouge further outlined its commitment to value creation at the company's 2025 Annual General Meeting (AGM), reaffirming the company's commitment to delivering substantial shareholder returns following the proposed formation of Borouge Group International, a \$60 billion global polyolefins leader.

Borouge Group International, the proposed combination of Borouge and Borealis, and the acquisition of Nova Chemicals, has been designed to deliver consistently strong dividends and significant near-term growth, and will have a production capacity of 13.6 million tonnes – nearly tripling Borouge's current capacity.

In 2025 Borouge intends to pay its dividend to at least 16.2 fils per share, which will also serve as the annual dividend per share payout up to 2030 under Borouge Group International.

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### **About Borouge Plc**

Borouge Plc, listed on the Abu Dhabi Securities Exchange (ADX symbol: BOROUGE / ISIN AEE01072B225), is a leading petrochemicals company that provides innovative and differentiated polyolefin solutions for the infrastructure, energy, mobility, healthcare, agriculture and advanced packaging industries. Borouge employs more than 2,900 people and serves customers in over 86 countries across Asia, the Middle East and Africa.

Founded in 1998 through a strategic partnership between ADNOC and Borealis, Borouge was formed to build and operate a polyolefins complex in Al Ruwais Industrial City, United Arab Emirates, which today is one of the world's largest integrated polyolefin complexes. ADNOC owns a majority 54% stake and Borealis holds a 36% stake in Borouge.

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