PressRelease

August 31, 2026
Arent Inc.

Arent Releases English Version of Lightning BIM Automatic and Optimal Rebar Layout

Bringing automated rebar placement and clash checking on Autodesk Revit to the global market

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Arent Inc. (Headquarters: Minato-ku, Tokyo; President and CEO: Hiroki Kamobayashi; hereinafter "Arent"), a company driving digital transformation (DX) in the construction industry, today announced the release of the English version of Lightning BIM Automatic and Optimal Rebar Layout, an add-in for Autodesk Revit. By providing its automated rebar placement and clash-checking capabilities—already gaining adoption in Japan—through an English user interface, Arent enables use by BIM engineers overseas and on international construction projects.

■Background

BIM (Building Information Modeling) is increasingly becoming the standard approach to design and construction for building projects worldwide, and Autodesk Revit in particular is widely used across the globe. At the same time, rebar (reinforcement) design and clash checking still require a great deal of manual work, and the shortage of skilled engineers is a challenge common to Japan and other countries alike.

Arent initially established overseas bases centered on the international sales of PlantStream, its 3D CAD software for plant design—setting up Arent Solutions Inc. in Houston, USA in October 2025, and Arent Software S.A. in Madrid, Spain in November 2025—to advance its global expansion. Through its activities in these markets, demand for its DX services and automated rebar tools became clear, leading to this release of the English version of Lightning BIM Automatic and Optimal Rebar Layout.

Since first releasing Lightning BIM Automatic and Optimal Rebar Layout for the Japanese market in April 2022, Arent has advanced the automation and streamlining of rebar design. By localizing the user interface into English, Arent now brings the rebar-automation expertise it has cultivated in Japan to overseas markets, contributing to the acceleration of construction DX worldwide.

■About Lightning BIM Automatic and Optimal Rebar Layout

Built on Arent's proprietary 3D model control technology, Lightning BIM Automatic and Optimal Rebar Layout enables the rebar design workflow to be completed entirely within Autodesk Revit—from importing structural calculation data to clash-free rebar placement, clearance and anchorage checks, and detail drawing generation. Its ability to create and check rebar models at high speed significantly reduces the workload across both design and construction.

■Key Features

- Batch automatic rebar placement across the entire structure from structural calculation data
- Smart Rebar: automatic clash avoidance based on rules and member priorities
- Clash, clearance, and anchorage checks visualized directly within Revit
- One-click generation of detail drawings (section and plan views)
- Instant approximate quantity take-off

▼ Feature Overview Video
https://youtu.be/059bovgo370

■Availability & Pricing

- Product Name: Lightning BIM Automatic and Optimal Rebar Layout
- Format: Autodesk Revit add-in / annual subscription
- Supported Versions: Autodesk Revit 2022 / 2023 / 2024 / 2025 / 2026
- Single License: $6,000/year (excluding tax)
- Multi License: $8,600/year (excluding tax)

■Future Outlook

Leveraging its overseas offices, Arent will continue to expand the Lightning BIM series internationally and add multilingual support, helping to further improve the efficiency of rebar design and construction at sites in Japan and around the world.

■About Arent Inc.

With the mission of "Democratizing Tacit Knowledge," Arent drives DX in the construction and plant industries. The company operates on two pillars: a "DX Business" that works alongside client companies to solve challenges, and a "Product Business" that develops proprietary SaaS solutions. Through the provision of products such as the "LightningBIM" series of add-ins for intuitive BIM interaction with Revit, and "PlantStream," an AI-powered 3D CAD system for automated plant piping design co-developed with Chiyoda Corporation, as well as group expansion through M&A, Arent solves structural challenges in the construction and plant industries through technology.

【Company Overview】

- **Company Name**: Arent Inc.
- **Address**: KDX Hamamatsucho Building 3F, 2-7-19 Hamamatsucho, Minato-ku, Tokyo, Japan
- **Representative**: Hiroki Kamobayashi, President and CEO
- **Founded**: July 2, 2012
- **Capital**: ¥1,286 million
- **Stock Code**: 5254 (Tokyo Stock Exchange Growth Market)
- **Website**: https://arent.co.jp/en/

＜Press Inquiries＞
https://lightningbim.com/#contact

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