



Innovative Infrastructure Development - IPA Seminar on Press-in Technology in Jakarta -

The International Press-in Association (IPA) successfully hosted the “IPA Seminar on Press-in Technology in Jakarta” on April 15, 2026, in Jakarta, Indonesia. The seminar was organized in collaboration with Himpunan Ahli Teknik Tanah Indonesia (HATTI) and Himpunan Ahli Konstruksi Indonesia (HAKI), with the support of six co-organizers, one endorsing organization, and sponsorship from four Gold Sponsors and two Silver Sponsors.

Under the theme “Innovative Infrastructure Development,” the seminar was held against the backdrop of ongoing infrastructure expansion in Indonesia and the broader ASEAN region. The event aimed to promote the understanding and application of press-in piling technology while fostering collaboration among academia, industry, and government. It also served as a platform to support sustainable infrastructure development through knowledge sharing and international cooperation.

The seminar featured a series of technical presentations delivered by experts from various sectors. Following an introduction to the activities and global outlook of IPA, presentations provided a systematic overview of design and construction practices based on *Press-in Retaining Structures: A Handbook, Second Edition (2021)*. Contributions also included presentations on design standards in Indonesia, case studies of construction projects in dense urban environments, and experiences in the application of press-in piling technology across ASEAN countries. These presentations reflected regional conditions and practical challenges, offering insights into the adaptability of the technology. In addition, the seminar highlighted recent technological developments, including innovations in press-in piling methods, applications of hat-type steel sheet piles, and approaches to improving the durability of concrete piles. The breadth of topics demonstrated the multidisciplinary nature of press-in engineering and its relevance to contemporary infrastructure challenges.

The event brought together a total of 205 participants from five countries—Indonesia, Singapore, Malaysia, Thailand, and Japan—including researchers, engineers, government officials, industry practitioners, and students. The seminar was characterized by active engagement throughout, with lively discussions following each presentation and during networking sessions. The strong interest shown by participants reflected growing attention to infrastructure development in Indonesia and the region. The seminar also provided valuable opportunities for interdisciplinary exchange and contributed to strengthening international professional networks.

Through the diverse presentations and discussions, the seminar reinforced the importance of advancing press-in piling technology as a practical and sustainable solution for infrastructure development. It also highlighted the value of continued collaboration and knowledge exchange across regions. IPA will continue to promote such initiatives to address regional challenges and support the future development of sustainable infrastructure worldwide.

Program

Opening Remarks

Prof. Widjojo Adi Prakoso
President, Himpunan Ahli Teknik Tanah Indonesia (HATTI)
Professor, Universitas Indonesia



Presentation 1

The prospect of International Press-in Association (IPA)

Dr. Nor Azizi Bin Yusoff
Vice President, International Press-in Association
Senior Lecturer, Universiti Tun Hussein Onn Malaysia (UTHM)



Presentation 2

Press-in Retaining Structures: A Handbook (Construction)

Dr. Pastsakorn Kitiyodom
Director, International Press-in Association
Deputy Chief Executive Officer, TEAM Consulting Engineering and Management PCL.



Presentation 3

Indonesian Design Code

Dr. Hendarto
Head of the Technical Engineering Office for Geotechnics, Tunnels, and Structures of the Ministry of Public Works



Presentation 4

Press-in Retaining Structures: A Handbook (Design)

Prof. Chun Fai Leung
Immediate-past President and Director, International Press-in Association
Emeritus Professor, National University of Singapore



Presentation 5

Implementation of Hydraulic Static Pile Driver (HSPD) Method in Densely Populated Residential Areas, a Case Study of BTN Project

Mr. Daniel Pakpahan
Senior Vice President, Building Division of PT PP (Persero)



Presentation 6

Experiences of Press-in Piling Method in ASEAN Countries

Dr. GOH Teik Lim
Director, Atsunew Giken Pte. Ltd.



Presentation 7

Innovative Engineering Solutions "Press-in piling Technology"

Mr. Riku Okamoto
Regional Strategy Promotion Section, GIKEN LTD.
Ms. Sayuri Tasaki
Consulting Section, GIKEN SEKO CO., LTD.



Presentation 8

Technical Innovation of Retaining Wall using NSHAT™ Solutions

Mr. Eka Pradana Susanto
Assistant Manager, PT. NIPPON STEEL INDONESIA



Presentation 9

Integrated Countermeasure Technologies against Corrosion Damage in Concrete Pile Caps

Dr. Eng. Rahmita Sari Rafdinal
PS Construction Co., Ltd, JAPAN



Closing Remarks

Prof. Chun Fai Leung
Immediate-past President and Director, International Press-in Association
Emeritus Professor, National University of Singapore





Seminar Information

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- **Date:** April 15, 2026
- **Venue:** Room “Auditorium Binakarna”, 1st floor, Hotel Bidakara Grand Pancoran Jakarta
- **Format:** In-person
- **Organized by:**
 - International Press-in Association (IPA)
- **Co-organzaized by:**
 - Himpunan Ahli Teknik Tanah Indonesia (HATTI)
 - Himpunan Ahli Konstruksi Indonesia (HAKI)
 - The Asian Civil Engineering Coordinating Council (ACECC)
 - The Asian Civil Engineering Coordinating Council (ACECC)
 - Japan International Cooperation Agency (JICA)
 - Japanese Geotechnical Society (JGS)
 - Japan Society of Civil Engineers (JSCE)
 - Institut Teknologi Bandung (ITB)
- **Endorsed by:**
 - International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)
- **Supported by:**
 - GIKEN LTD.
 - GIKEN SEKO CO., LTD.
 - NIPPON STEEL CORPORATION
 - PS Construction Co., Ltd
 - PT Mlion International Indonesia
 - Oriental Sheet Piling | ArcelorMittal
- **Participants:** 205 total
- **Participating Countries:** 5 countries (Indonesia, Singapore, Malaysia, Thailand, Japan)

Contact

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