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Press Release on November 25, 2024  
SAAF Holdings Co., Ltd.  
Tokyo Stock Exchange Growth Market: Ticker code 1447

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## SAAF Holdings Group

### Obtained patent related to penetration rod for SWS test, which is the most popular method for residential ground investigation.

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We hereby would like to inform you that Something Co., Ltd., a member of our group (Head office: Koto-ku, Tokyo, Representative Director and President: Mitsugu Koshirakawa, hereinafter referred to as “Something”), and Astec-irie Company Limited. (Head office: Kitakyushu City, Fukuoka Prefecture, Representative Director and President: Shinichiro Irie, hereinafter referred to as “Aztec Irie”), which operates a steel business, have developed and obtained a patent for a "Penetration rod bending jig and method for measuring penetrating rod bending using the jig" that allows you to easily check the bending of a penetration rod used in the screw weight penetration test (hereinafter referred to as "SWS test"), which is the most popular method for ground investigation of detached houses.

The SWS test is a test method※ that was established in JIS (Japanese Industrial Standards) in 1976 in order to calculate static penetration resistance to determine the hardness/softness or compactness of soil in situ and the composition of soil. Currently, this is the most popular method for investigating the ground for detached houses, and one of the items required for the SWS test is a “penetrating rod.” The penetration rods are made of steel and are connected and extended depending on the degree of underground penetration. In case of a penetrating rod that is extended by adding a tip rod and an extension rod, bending occurs due to the rod connection part.

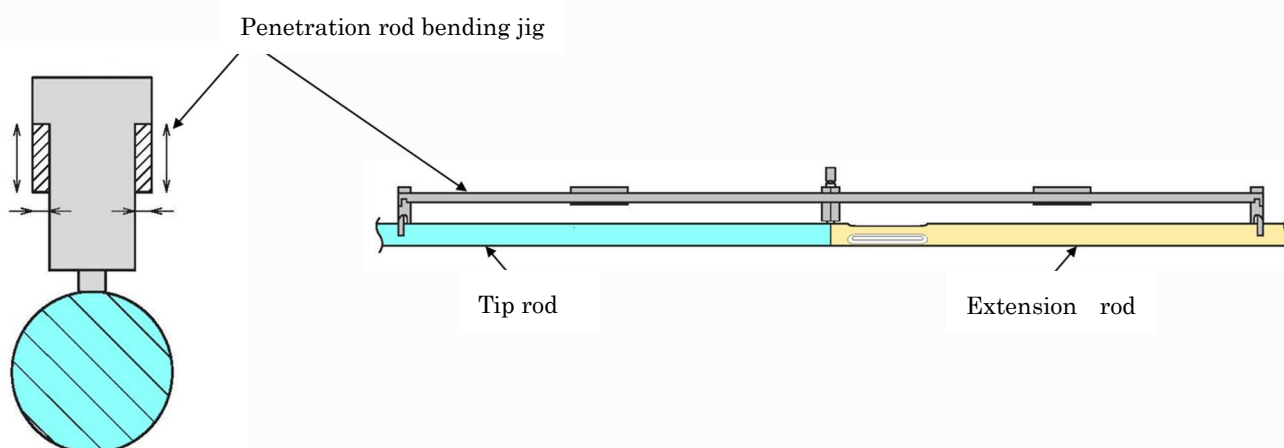
At the time of the JIS standard revision in October 2020, standards have been established regarding the angle deviation of adjacent rods when they are connected for ensuring the straightness of the rod. Based on this, Something and Astec Irie have developed a penetrating rod bending jig and measurement method for the purpose of easily inspecting penetrating rod bending on site.

As for the newly developed penetrating rod bending jig, and the penetrating rod (patent number: No. 7297217) which was disclosed in the press release dated July 25, 2023, we have a history of developing both of these products in responding to standard revisions and reducing the burden of on-site work. Our group will continue to develop and research technologies that will reduce the burden of on-site work and improve safety and quality by utilizing the capabilities, know-how, experience, etc. possessed by us.

※ As for the SWS test, please refer to the Something HP for details.

[https://www.s-thing.co.jp/jiban\\_chosa/chosa\\_hoho/houhou\\_kekka/](https://www.s-thing.co.jp/jiban_chosa/chosa_hoho/houhou_kekka/)

#### 【drawing】



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#### 【Inquiries regarding this press release】

SAAF Holdings Co., Ltd. URL: <https://www.saaf-hd.co.jp/> IR Contacts: Morishima, Yamamoto  
e-mail [info@saaf-hd.co.jp](mailto:info@saaf-hd.co.jp)

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#### 【Patent Overview】

Patent number : No. 7579545  
Title of the invention : Penetrating rod connection bend measurement system and the method to measure the bending of a penetrating rod connection using this system  
Patentee : Something Co., Ltd.  
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#### ■Related press releases

“Patent acquired for SWS testing penetration rod that reduces the burden on workers” dated on July 25, 2023

<https://ssl4.eir-parts.net/doc/1447/tdnet/2314774/00.pdf>

#### ■Inquiries regarding this release

Something Co., Ltd. (<https://www.s-thing.co.jp/>)

Person in charge: Sato, Director and General Manager of Technology Headquarters

MAIL:[kouichiro\\_sato@s-thing.co.jp](mailto:kouichiro_sato@s-thing.co.jp)

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#### 【Inquiries regarding this press release】

SAAF Holdings Co., Ltd. URL: <https://www.saaf-hd.co.jp/> IR Contacts: Morishima, Yamamoto  
e-mail [info@saaf-hd.co.jp](mailto:info@saaf-hd.co.jp)