

**P R E S S   R E L E A S E**

**New AS4 Message Protocol:  
Amprion Opts for SEEBURGER**

**21/12/2023 – Bretten, Germany – Amprion GmbH is well equipped for the current AS4 changeover with an active/active infrastructure from SEEBURGER.**

Amprion GmbH is one of four transmission system operators in Germany and is responsible for the planning, operation and maintenance of an 11,000-kilometer extra-high-voltage grid and the transmission of electricity in an area stretching from the North Sea to the Alps. The company is therefore an important player in the German electricity market.

With the introduction of the new AS4 messaging protocol in the electricity sector by the Federal Network Agency (BNetzA) and the BDEW (German Association of Energy and Water Industries), market communication in the German energy market has reached a new level of security. The changeover is challenging for all players but offers collective opportunities in the market. In the future, market players will receive valid time stamps and better feedback on the delivery of messages. A successful AS4 introduction in market communication requires an efficient conversion process for existing market partners and the onboarding of new ones. The transition to the new message protocol began on October 1, 2023 and must be completed by all market participants by March 31, 2024.

For this task, Amprion was looking for a competent partner with industry experience and the necessary technical know-how to implement a BNetzA-compliant AS4 system, including the required interfaces, who could also provide the necessary training. The handling of data exchange processes is an integral part of Amprion's internal process and system landscape. This placed the highest demands on the desired software partner and the operation of these services.

SEEBURGER is delighted to be able to support Amprion with an innovative software solution for the AS4 changeover. The integration service and service provider promises Amprion a high-availability system basis, a BDEW-compliant AS4 adapter with full integration of the HSM infrastructure and a smooth changeover project in order to fully exploit the advantages of the new message protocol in the future. The joint project had progressed to such an extent by October 1 that the overall AS4 system was put into productive and active operation as an on-premises solution. Furthermore, successful interoperability tests with various market participants and market solutions have already been implemented.

In addition to the processing of market messages in accordance with the current "Regulations on the transmission path for AS4," the advantage of the SEEBURGER solution is the activeactive system landscape. If a component is taken offline, e.g. due to an application or operating system update, processing continues without interruption. SEEBURGER will enable Amprion to receive and send an average of 500,000 messages per day. Following the successful completion of this project in the coming year, the plan is to continue the partnership and work together on the conversion of schedule management communication.

## **About Amprion**

Amprion GmbH is one of four transmission system operators in Germany. Our 11,000-kilometer extra-high-voltage grid transports electricity in an area from the North Sea to the Alps. One third of Germany's economic output is generated there. Our lines are the lifelines of society: they secure jobs and quality of life for 29 million people. We keep the grid stable and secure – and pave the way for a climate-friendly energy system by expanding our grid. Around 2,300 employees in Dortmund and at more than 30 other locations help to keep the lights on. We also take on overarching tasks for the interconnected grids in Germany and Europe. For more information, please visit [www.amprion.net](http://www.amprion.net)

## **About SEEBURGER**

One central platform, one experience, all integrations, all deployment models. SEEBURGER is an integration service and software provider. Our BIS Platform enables seamless connectivity of applications, people and processes, whether in the cloud, a hybrid environment or on-premises. With the BIS Platform, anyone can design simple to complex integrations on their own, helping to strengthen their company's digital ecosystem.

Family owned since 1986, today over 1,200 employees worldwide make us strong. Over 14,000 customers rely on integration expertise from SEEBURGER every day. For more information, please visit [www.seeburger.com](http://www.seeburger.com)

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