



IDpendant
Secure your identity

Case Study: Two-Factor Authentication for Bayernoil with Entrust Datacard



Bayernoil Raffineriegesellschaft mbH

Bayernoil is a refinery company with a rich heritage in the heart of Bavaria, which uses crude oil to produce a variety of products including petrol, diesel, heating oil and bitumen.

User authentication and data security play an important role for Bayernoil Raffineriegesellschaft. When an employee or business partner is granted access to the company network, this opens the door to what are potentially the business' most valuable resources. An essential security component of the authentication platform is therefore the provision of a robust system of two-factor authentication.

The search for a secure authentication method some years ago led Bayernoil Raffineriegesellschaft to the Entrust IdentityGuard solution. Its model was based on the extension and standardisation of user authentication and of the existing two-factor system for remote users at the time.

Bayernoil was looking for a solution that could be implemented independently of any particular hardware, such as a card reader on the PC. It needed to be usable both on a fat client and thin client basis as well as on a tablet or smartphone (via a smartphone app). Hans Müller, Project Manager at Bayernoil explains: "What appealed to us was the standardised login process for users on the campus (LAN) and remote users (Internet), its hardware-independent qualities, and the presentation and rapid installation of an evaluation version by the solution provider IDpendant."

Which people are involved?

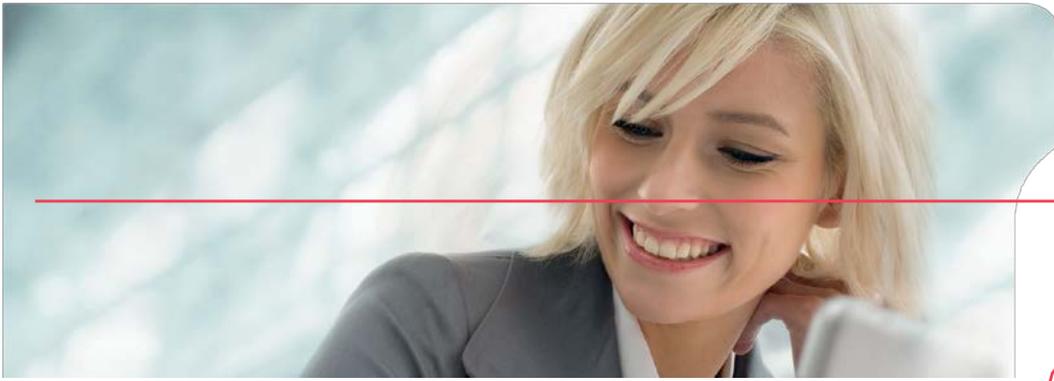


The IT security specialists at IDpendant – who are responsible for the integration, maintenance and support of the system – attached great emphasis to Bayernoil's requirements, to the security issues involved and to compatibility with other products and solutions.

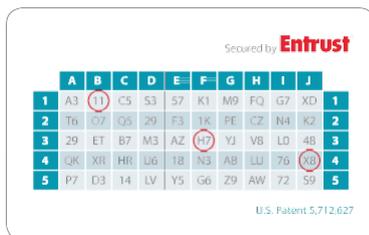


Entrust is a leading provider of solutions for the protection of digital identities and information. Its tried and tested software and services help its customers to achieve compliance with statutory and financial regulations.

"After carrying out the analysis jointly, we successfully implemented the project for Bayernoil. We are extremely satisfied with the cooperation and the results achieved," says Dr Michael Gollner, Managing Director of IDpendant.



Optimum security and high levels of user-friendliness



Entrust IdentityGuard GridCard

Two-factor authentication enables a user's identity to be proven by combining two different and – importantly – independent factors.

At Bayernoil Raffineriegesellschaft, when a user logs on to a system within the LAN, a second factor is also required for the password, which is requested as a hardware token or alternatively via a GridCard. The two-factor authentication meets the highest security standards while also being straightforward for the user.

The benefits

"The solution was extended to all users two years after the initial project. As well as the two-factor authentication, the SSM (self-service module) was introduced, which incorporates the use of tokens and the GridCard perfectly," explains Hans Müller.

Benefits

- Hardware independence (including for smartphones, tablets and so on)
- Wide range of authentication options
- Compatibility with other products and solutions

Technical components

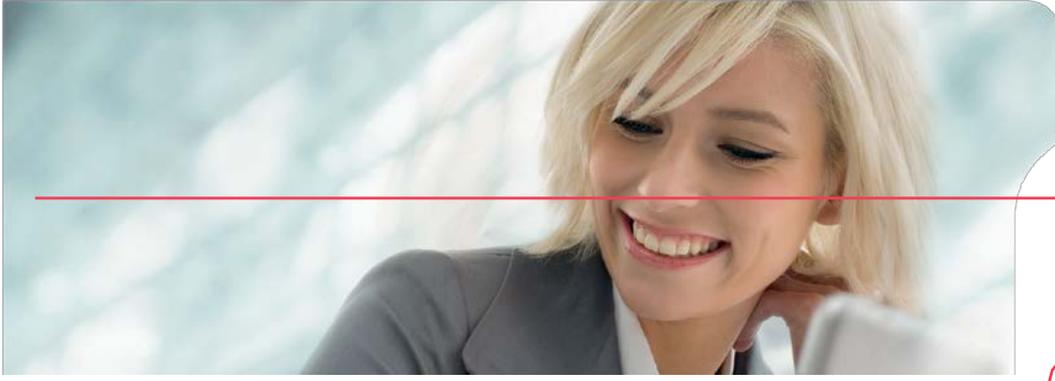
- Entrust IdentityGuard Enterprise Server
- Client access licences
- Self-service module
- Mobile soft token
- Mini token
- GridCard

The Entrust IdentityGuard solution has proven to be a future-proof investment for Bayernoil, as it can also keep pace very well with the latest industry trends and growing security requirements. It has therefore been very easy to extend the solution to mobile devices and to integrate it with Citrix.

"Our previous requirements with regard to self-service, the use of mobile devices and integration with Citrix StoreFront have in each case been successfully fulfilled," says Bayernoil's Hans Müller. He adds: "By introducing the new solutions, we've made a great advance in terms of security and user-friendliness. We are very satisfied with the integration of the solution by IDpendant."

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