

Product Fact Sheet



Powel NetWeb

ABSTRACT

Powel NetWeb is a fast and easy way for publishing a grid, maps and associated information on the intranet (or Internet), making grid information available to the whole organization. Utilizing modern web technology, Powel provides GIS solutions through a standard web browser without expensive and complicated client installations, expensive hardware investments, and virtually without training. Powel NetWeb also holds unique features for reports, searches and printouts. Most employees today know how to surf the Internet. Accessing grid information through Powel NetWeb is just as easy.

Distribution of Information

Countless reports have verified the benefits of using GIS as a tool for information distribution for utilities. The downside has traditionally been major investments in training, software, and hardware infrastructure. Not anymore. Utilizing modern web technology, Powel provides GIS solutions through a standard web browser without expensive and complicated client installations, expensive hardware investments, and virtually without training. Make your investments in the sustainable assets - your own data.

Benefits from Powel NetWeb

Powel NetWeb makes grid information accessible for all users. The results are more rational processes and increased efficiency for both utilities and customers.

- Low investments - web based information means low costs for hardware, software, and training.
- Simplicity - Powel NetWeb uses standard web browsers, and is as easy to use as surfing the Internet.
- Mobility - based on web technology, the solution can be used anywhere utilizing laptops, pocket PCs, and more.
- Customer friendly - makes information available throughout the organization and makes it more applicable.
- Increased benefit from previous investments - cost efficient utilization of existing information and technology.

The **Offline-option** (a licenced module) gives the user the opportunity to bring Powel NetBas out in the field, without having direct connection to the Internet- or Intranet



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Portable and available grid information

Powel NetWeb utilizes a simple and effective query-and-answer mechanism. The user queries for maps or objects in the database, and Powel NetWeb responds with a suitable map view, presenting selected objects and/or information about the objects in the database.

Standard SQL/ODBC database comprising map data and object information (data warehouse)

The data warehouse is a copy of the original data sources and is updated automatically. You can easily customize data to be transferred to the data warehouse to be accessed by all users. Data from a variety of sources can be copied into the data warehouse.

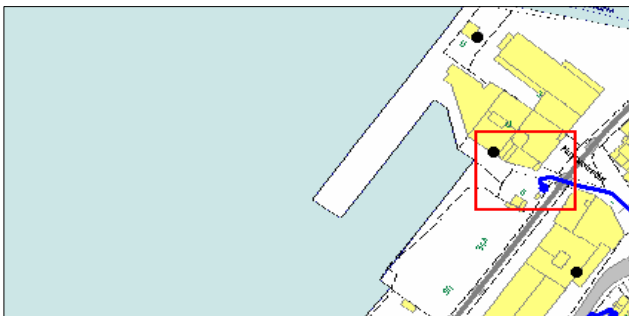
Standard web browser (e.g. MS Internet Explorer)

There is no need for specific software or client software installations. All employees with access to a computer with Internet or intranet access can use Powel NetWeb.

Administration module for database, user and access management

From this module, data warehouses and users are managed. Various data sets to be copied to the data warehouse are specified and loaded. Routines automatically update the data warehouse. Users, user groups and user access rights are also managed from the administration module.

Multiple user groups within and outside the utility can be potential users of Powel NetWeb: customer service personnel, field crews, regulatory bodies and property developers. Powel NetWeb makes grid information accessible to everyone, providing improved processes and increased efficiency for both utilities and customers.



Related Powel Products

The following Powel products are all part of Powel Utility Management and are easily integrated:

- Powel NetBas
- Powel Grid Design
- Powel Grid Operations
- Powel Grid Maintenance
- Powel Engineering Analysis
- Powel GIS Toolbox
- Powel Integration Toolbox

Reference Installations

- Vattenfall, Sweden
- Fortum Distribution AS (former Østfold Nett)

Minimum System Requirements - Server

Hardware:

- Memory: 500Mb or greater
- CPU: 1 GHz or greater
- Hard Disk: Two 10 GB disks

Software:

- Windows 2000 server (recommended).
- Windows 2000 Professional or Windows XP Professional. (NOTE: Be aware these operating systems have a limit of concurrent users.)

Company Facts

Powel ASA was founded in 1996 as a spin-off from the SINTEF Energy Research Institute at the Norwegian University of Science and Technology in Trondheim, Norway. SINTEF still holds 7% of the shares while Norsk Vekst, Viking Venture and Arendal Fossekompani constitute the dominant ownership. Powel has specialized in planning and operational software solutions in the whole value chain of the electricity supply and public utility business sector. Powel today counts 200 employees and has subsidiaries and operating partners in USA, Canada, Scandinavia and the rest of Europe.

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