HxGN NetWorks Data | Browser

Utilities and communications companies need an easy-to-use tool to mine and maintain their network asset data if they want to unlock its full potential. This particularly supports the work of data stewards, who are responsible for controlling and ensuring data quality. In addition, many users and stakeholders across an organization, such as asset managers, planners, engineers or even finance departments, can benefit from a solution that allows them to interactively query the network model on the fly and create custom reports.

HxGN NetWorks Data | Browser addresses this need by enabling users to easily browse, search, filter, edit, visualize and export data from any HxGN NetWorks Data model. It is part of the HxGN NetWorks Data suite, which contains analytics and reporting modules aimed at increasing data quality, enhancing database performance and eventually improving ROI. With NetWorks Data | Browser, even standard business users without programming skills can interactively mine HxGN NetWorks data to answer their questions, without the need to involve IT or a database administrator.

With NetWorks Data | Browser, users can build their own data grids by dragging and dropping desired attributes from component tables or traversable attributes from external tables and picklists. This can be done for a single feature class or multiple feature classes that share a common component. The results can be grouped and filtered in the data grid and then displayed in the map window, as well as in the legend, or exported to a report. With appropriate privileges,
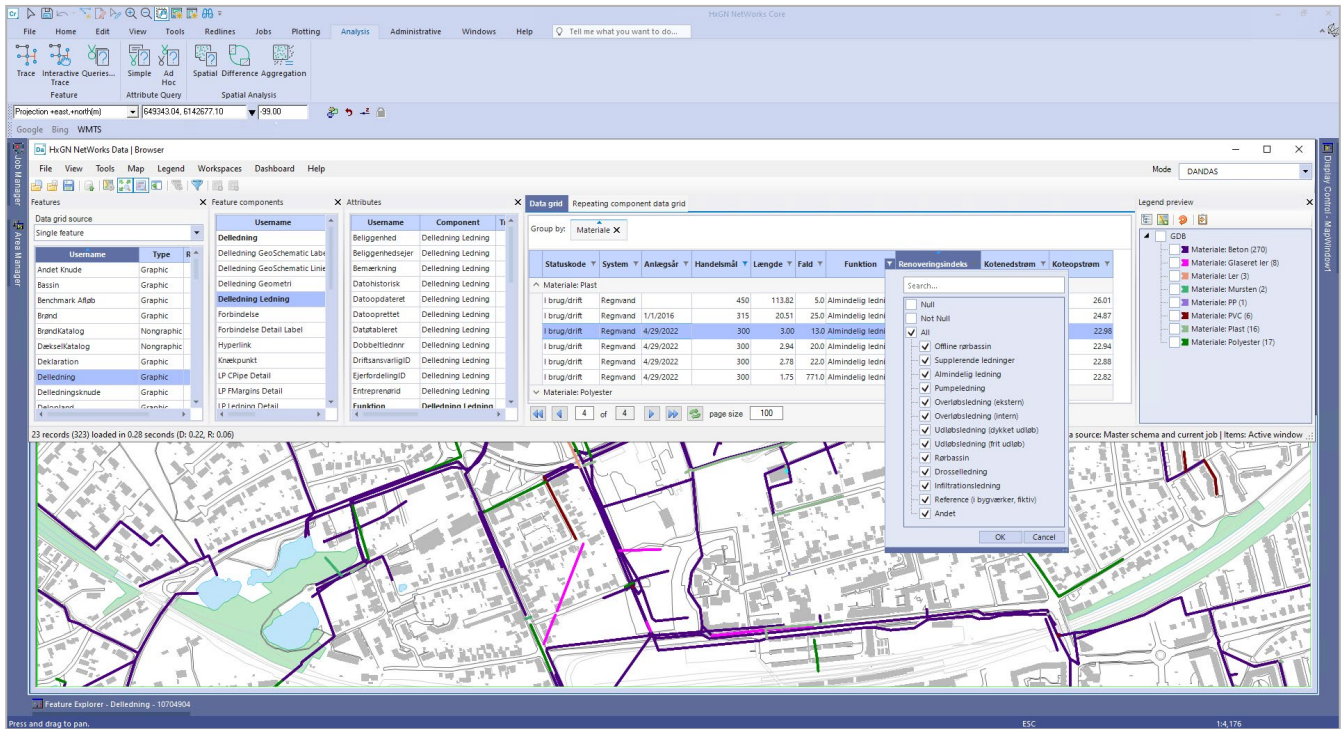
individual or bulk data edits can also be performed on the queried data, making NetWorks Data | Browser a powerful tool for identifying and correcting data omissions or anomalies.

Benefits

- **Improved workflow efficiencies:** Non-technical users can mine data and answer business questions without the need for in-depth knowledge of the database structure or data science.

- **Easy data mining:** Users can create on-demand queries, thematic maps and custom reports without involving IT, enabling organizations to turn data into actionable information much faster.

- **Quick data cleanup:** Data stewards can easily browse data, identify abnormalities and quickly correct them, leading to sustainable data quality improvement and better decision-making.

Platforms

NetWorks Data | Browser is available on three platforms: HxGN NetWorks Core | Designer, as a standalone tool and HxGN NetWorks Data | Browser Web. Because of the different functionalities and options available in these platforms, the features offered for each platform vary (See table on page 3).

Thematic map based on grouping of material and pipe dimension greater than 250 mm

Workspaces

A user's working environment in NetWorks Data | Browser is called a workspace.

On the HxGN NetWorks Core | Designer platform, it can be saved, opened, copied or moved to another system and shared between users. When the administrator stores workspaces as templates in the database, they can be organized in groups, and access is controlled by user roles.

HxGN NetWorks Data | Browser Web

With HxGN NetWorks Data | Browser Web, users can easily browse, export and display features from any HxGN NetWorks Data model in HxGN NetWorks Core | Portal. Users build the data grid by selecting a workspace published by NetWorks Data | Browser. Features can be filtered in the data grid and the results displayed in the map window and in the legend.

Features

Feature	Platform		
	HxGN NetWorks Core | Designer	HxGN NetWorks Data | Browser standalone	HxGN NetWorks Data | Browser Web
Browsing capabilities: Load features, components and attributes from the selected data connection and query data or use custom views. The data connection can be configured to include job-level data or only master data.	✓	✓	
Data grid: Build searches quickly and easily by selecting desired attributes from component tables or traversable attributes from foreign tables or picklists - on individual features or several feature classes with common components.	✓	✓	
Understandable data: Make data more relevant to users by displaying value fields for picklisted attributes; content of foreign table joins can be managed with the Catalog Explorer function.	✓	✓	✓
Thematic mapping: Attribute-based grouping and filtering allows users to display thematic maps with user-defined symbology.	✓		✓
Filters: Limit features by defining a filter: select set, area of interest (AOI), active map window, buffer zone or custom view.	✓		Partly
Export capabilities: Export to Microsoft Excel, Esri shapefiles (.shp) or TAB files.	✓	✓	✓
Data editing: Easily edit data in the data grid at the individual cell level, or with a bulk change. All edits will result in job-level transactions that can be run through normal validations.	✓		
Roles: Control viewing and editing access by assigning roles, which determine if a user can edit a data grid or common attributes and which users can view data.	✓	✓	Partly

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