

## Productivity Boost in Application Development with Adabas File Browser

### The Challenge

- Fast display of Adabas data structures and database contents.

### The Solution

- Intelligent PEEK editor for reading and displaying Adabas data.
- Flexible, user-friendly tool – no writing or maintenance of ad hoc programs necessary..

### The Benefits

- Less time and effort needed for development and testing thanks to implementation of a standard product.
- Changes to file and field structures occur implicitly. PEEK derives structure information dynamically from Adabas and Natural,
- The tool can be integrated entirely into existing organizational and security structures of an enterprise's IT.

### Why PEEK ?

There are numerous situations which require application engineers and database administrators to quickly refer to a database's file, record and field contents. They frequently need this information for development, testing or bug analysis and fixing.

Many times ad hoc programs must be written on an individual basis for the specific purpose at hand. They show the data contained in one or various data record(s). This practice increases the workload with respect to application develop-

ment, maintenance, library management, reusability, standards, security settings and more.

PEEK is an elegant file-browser solution that eliminates the drawbacks associated with ad hoc program development..

PEEK retrieves and displays all file and field-related information. Editing data is an optional feature. With PEEK, significant time and cost savings are achieved during the development process.

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BGMS Anwendung GISABG (ehemals SMBG) (9770, 106)
**** P E E K ****
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Access. Read by TAB-SUCHBEGR2    Scrn  _6 of  13
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SESBG   GEF-TEXT 01020160100001  NE Metallhuette
SESBG   GEF-TEXT 01030179890001  Stahlwerk, Vakuumschmelze, Schlackenverwert
SESBG   GEF-Text 01030179940001  Stahlwerk
SESBG   GEF-Text 01030179990001  Stahlwerk
SESBG   GEF-Text 01030180100001  Kokerei
SESBG   GEF-Text 01030279940001  Vakuumschmelze
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SESBG   GEF-Text 01050170890001  Kaltwalzwerk
SESBG   GEF-Text 01050179940001  Kaltwalzwerk
Cmd |
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
+ Help Prefs Keys File Start S-rec -Page +Page -Scrn +Scrn -Page +Page
MMZ08001.SM.BG.VM 22-006
  
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PEEK: Screenshot display of data records



(Metal Employers' Liability Insurance Association of the North and the South)

### Customer Profile



The three areas of responsibility of the BG (based in Mainz, Germany) are prevention, rehabilitation and compensation for the insured in the event of an injury on the job or while traveling to or from work as well as for occupation-related illness.

Three tasks from one source :

- **Prevention** of occupational accidents, illness and risks
- Medical, occupational and social **rehabilitation** of injured and sick workers
- Financial **compensation** for the injured or sick worker

Prevention is an important focus of the German employers' liability insurance associations (BGs). Their goal is to prevent accidents and health risks on the job.

The success of the BGs' prevention efforts is obvious. The incidence of accidents has declined by 75% over the last 40 years.

The BGMS is a public entity to which 96,000 companies from the metal industry belong. It insures a total of 2.7 million workers from these companies.

For decades now, all German BGs from the metal industry have been united under the umbrella of the VMBG.

## Berufsgenossenschaft Metall Nord Süd, Mainz

### Centralized IT Department

In order to form one united employers' liability insurance association in the German metal industry, several major associations (Maschinenbau und Metall BG, Hütten- und Walzwerks-BG, Berufsgenossenschaft Metall Nord Süd) joined forces to become the VMBG.

Subsequently, in 2002, VMBG's IT was centralized in Mainz, Germany and given the name VITA.

### Mainframe Meets .NET

The development environment, user interfaces and processing logic of

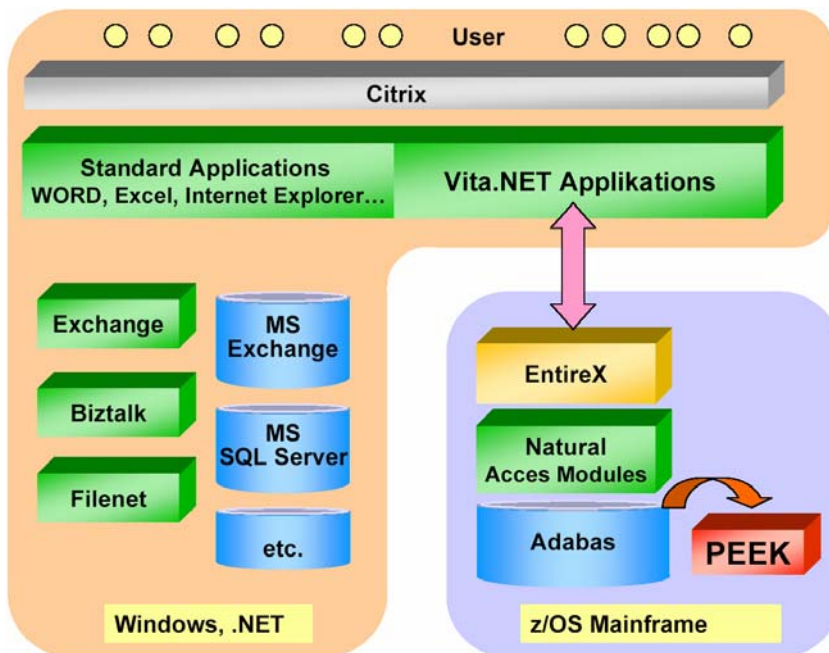
the new applications are all based on .NET. Adabas is employed as the central database running on the IBM z/OS and BS2000 operating systems.

### Mainframe Data Storage

Access modules are written in Natural and form the data access layer, which provides encapsulated central data services.

### Communication

The two platforms communicate via EntireX, a middleware product by Software AG. Users see a totally integrated system.



VMBG's IT Infrastructure

Günter Malzkorn, director of software development for the VITA employers' liability insurance associations:

"Our software developers like PEEK particularly because of the time they now save when checking database contents during the development process. Prior to implementing PEEK, we had to write display programs for every Adabas file. If a file structure changed, these programs had to be modified accordingly. It got more complex if two files for viewing a relation had to be linked.

PEEK relieves us of a lot of work. The tool has been well received by our developers and offers excellent support.

The option of hexadecimal display helps our work with binary keys and indices. PEEK is easy to use. We are very happy with every aspect of it.

### PEEK implementation at BG Metall Nord Süd:

PEEK is employed by various BGs: by the VITA group of metal BGs in Mainz, Stuttgart, Hanover and Düsseldorf.



- BG Metall Süd employs PEEK primarily during the development process.

- PEEK can also bring benefits to the production environment during bug analysis. Thanks to the centralized administration of PEEK, authorization can be finely tailored to the specific tasks of the employees. This ensures compliance with the organization's security guidelines.

PEEK is a practical, off-the-shelf product



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