



**Brix**<sup>TM</sup>

Helps you capture and maintain your best engineering practice

DNV Software



MANAGING RISK

# Safeguarding your knowledge

How can you capture and keep your best engineering practice?



## Safeguarding your engineering knowledge

Today's competitive business environment requires companies to become more and more agile. The ability to act and change rapidly constitutes a huge business advantage.

DNV Software offers solutions for good business performance, quality control, and continuous learning within an organisation.

### Precious knowledge

A learning and acting organisation looks towards the future but is, at the same time, connected to its past. Having recognised that knowledge assets are the most precious source of competitive advantage, most organisations invest heavily in knowledge management systems.

### Knowledge still remains stubbornly immobile

Despite huge investments, these companies still experience that knowledge assets in one part of an organisation are not necessarily known to other parts of the same organisation.

A company's ability to rapidly exchange and spread knowledge can be directly linked to productivity and performance.

*"A little knowledge that acts is worth infinitely more than much knowledge that is idle." Kahlil Gibran*

## Business change is a journey, not a destination

Knowledge is an active asset only if it is related to a given process. Taken out of its context, knowledge can not be stored by itself. Only data and information can be recorded, retrieved, and reused.

This means that capturing and spreading knowledge requires an approach including both a process and the information and data related to it. Equally important is that the engineering processes must be viewed in a life cycle context.

By doing this, you take your operational experience and knowledge back into the design phase.

### Maintaining your knowledge assets

Brix is our framework for safeguarding your engineering knowledge.

The learning and acting organisation knows that change is a journey and not a destination – so embark on the journey with us and learn more!

*"Brix offers a way for DSEC to standardise our engineering work and design projects throughout our organisation."*

Mr J.S. Shin, Daewoo Ship Engineering Company (DSEC)

# The Brix way

How can your organisation capitalise on its best practice?



## A portal to best engineering practice

Engineering business processes are usually concurrent, multi-disciplinary, iterative, and highly complex. The real challenge is to provide solutions offering an enhanced environment for good engineering performance, quality control, and continuous learning.

## Enhanced productivity and efficiency

Brix solves this challenge by giving your organisation a means for improved engineering performance. We do this by combining process support and state-of-the-art applications and services.

Using **business process templates** to describe engineering work is how we offer a way to capture, preserve, and spread knowledge so that your organisation both learns and acts upon that learning.

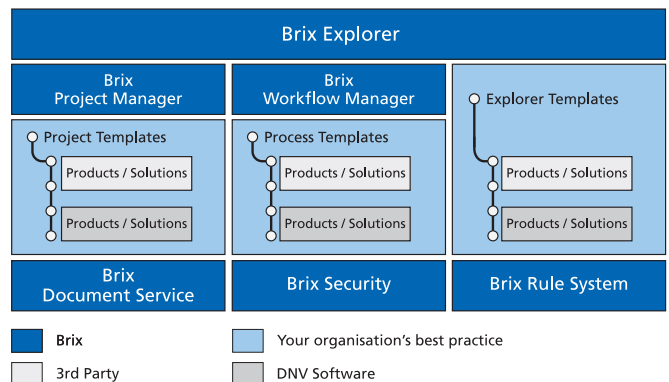
**State-of-the-art services** are based on DNV Software's 50 years of experience in developing quality software for the maritime, offshore, and process industries. Any service, such as in-house or third party applications, legacy systems or information sources can be made available through the Brix Foundation.

## The Brix way

Brix is DNV Software's framework providing solutions that handle the life cycle of your industry knowledge.

Brix enables you to capture, spread, and improve your industry knowledge by providing you with a portal to your best engineering practice. Our solution combines how your organisation works – business processes and business rules – with the services needed to fulfil your business objectives.

By working from a single process template, Brix enables you to easily benchmark your business performance. By capturing and measuring how you work, these results can be used to improve your best practice.



Brix Foundation – safeguarding your industry knowledge.

# Brix Foundation

Safeguarding your organisation's engineering knowledge



**Brix Explorer** is the application that provides access to your business processes, project templates, business rules, and DNV Software product portfolio, as well as any third party service. It provides personalised views for different users or user groups.

**Brix Project Manager** is our project management system which allows you to plan your project by defining milestone plans, detailed activity schedules, and checklists. Project templates are used to capture your best project practices depending on the different projects you run. Resource availability is verified.

**Brix Workflow Manager** is a full-scale workflow system allowing you to define your business processes as templates. The templates contain information regarding activities or tasks, information flow, application integration, user roles, and security aspects. You can use process templates to create detailed activity schedules.

Each time you want to run a business process, a workflow is created based on its template. The system monitors and manages the running processes and updates project plans.

**Brix Rule System** is a full-scale rule system enabling knowledge such as business rules and design standards to be easily understood by engineers and designers. This industry knowledge can be shared among several applications. Brix Rule system allows rules to be changed from applications invoking the rule-engine, enabling “what-if” scenarios.

**Brix Document Service** is used to integrate any third party document record and management system. If no such system is used, Brix Document Service provides basic document handling functionality such as search, retrieve, save, versioning, check in/out, and history.

## Assessing and improving

Brix is used by the Project Management Institute™ (PMI) in a solution that enables PMI-certified consultants or assessors to assess and improve any project based on PMI's best practices.

*“Brix offered DSME the most flexible solution for integrating engineering tasks, applications, and information.”*

Mr K.P. Park, Daewoo Shipbuilding & Marine Engineering (DSME)

# Brix

What's in it for you?



## **Which benefits will Brix give you?**

Brix enables customised work process templates to be defined, and work processes to be executed and managed. It is scalable from a simple process-centric application to a system of multiple applications supporting several business processes, multi-user environments, and long-running transactions.

**Learning:** Brix facilitates capturing, sharing, and improving knowledge in a life cycle context across organisational borders. Brix enables you to easily benchmark your business performance.

**Quality:** Improves the quality of work by coordinating activities and information flow, and verifying conditions.

**Productivity:** Coordinates people and enables easy access to services and related information for the task at hand. Detects bottlenecks and provides an overview of time-critical information.

**Collaboration:** Enhances collaboration across disciplines through notifications and messaging in a multi-user environment.

**Flexibility:** Easily updated to incorporate new templates. The system can be configured allowing the user to make conscious changes to running work processes enabling workflows.

**Data consistency and integrity:** Ensures use of correct versions. This applies to information flow between activities as well as applicable templates. Data integrity can be verified, based on a given business rule set.

## **Brix Technology**

- Brix is based on Microsoft .NET technology, and supports Oracle and SQL Server databases.
- Brix Foundation delivers multi-user project collaboration and process support through a rich client, Internet, or intranet.
- Brix is based on a service-oriented architecture enabling third party applications to interact with Brix API using Web Services (SOAP) or .NET.

**Contact us to learn more about how DNV Software can help you capture and share knowledge throughout your organisation.**

Head office:

**Oslo**

DNV Software  
NO-1322 Høvik  
Norway  
Tel: +47 67 57 76 50  
Fax: +47 67 57 72 72

e-mail: [dnv.software@dnv.com](mailto:dnv.software@dnv.com)  
web: [www.dnvsoftware.com](http://www.dnvsoftware.com)

DNV Software regional offices:

**Busan**

Det Norske Veritas  
DNV Software  
Nambusan P.O. Box 120  
Busan 613-011  
Republic of Korea  
Tel: +82 51 610 7700  
Fax: +82 51 611 7172

**Kobe**

Det Norske Veritas  
DNV Software  
Port P.O. Box 77  
Kobe 651-0191  
Japan  
Tel: +81 78 291 1305  
Fax: +81 78 291 1330

**Marseilles**

Det Norske Veritas  
DNV Software  
16 Impasse Blancard  
13007 Marseilles  
France  
Tel: +33 (0) 4 91 13 71 66  
Fax: +33 (0) 4 90 54 46 89

**Rio de Janeiro**

Det Norske Veritas  
DNV Software  
Rua Sete de Setembro  
111/12 Floor  
20050006 Rio de Janeiro  
Brazil  
Tel: +55 21 2517 7200  
Fax: +55 21 2507 5012

**Houston**

DNV Software  
16340 Park Ten Place  
Suite 100  
Houston, Texas  
77084-5132  
USA  
Tel: +1 (281) 721 6700  
Fax: +1 (281) 721 6880

**London**

DNV Software  
Palace House  
3 Cathedral Street  
London SE19DE  
United Kingdom  
Tel: +44 (0) 20 7716 6525  
Fax: +44 (0) 20 7716 6738

**Taipei**

Det Norske Veritas  
5F-3 No.160 Sec. 6,  
Minqan E. Rd  
114 Taipei  
Taiwan  
Tel. +886 2 2792 5352  
Fax. +886 2 2792 5357

**Shanghai**

Det Norske Veritas  
DNV Software  
House No. 9,  
No. 1591 Hong Qiao Road  
Shanghai 200336  
China  
Tel. +86 21 3208 4518  
Fax. +86 21 6278 8090