

Our Services

Consultingwerk is a leading provider of professional services for organizations using Progress OpenEdge during planning, development and operation of business applications.

With over 15 years in business Consultingwerk offers the services which help companies to modernize OpenEdge systems to increase customer satisfaction, enhance flexibility, lower risk, and reduce operational costs. The comprehensive Consulting Services include: assessment, analysis, prototyping, training, coaching, mentoring - and implementation.



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Consulting Services

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We perform **assessments** of existing OpenEdge applications, system setups and development teams. An assessment of the status quo is typically the first step supporting the definition of a strategy that will modernize your team, your applications, and the organization to allow to increase efficiency and market changes.

We provide **coaching and mentoring services** to OpenEdge developers with the goal to maximize the efficiency of their work and enabling the use of modern development techniques, latest features of tools and platforms used such as OpenEdge and the ABL. We can provide standardized or tailored training classes or certification. We understand software development as a craftsmanship that demands permanent reinforcement to excel.

We support developers to adopt size-to-fit agile methodologies and support you on the complete route of **agile transformation** of your organization with our certified scrum masters.

Together with your development team or isolated from your ongoing development and maintenance tasks we can design **modernization strategies for your application**. We can validate the strategies and support estimating modernization efforts through the **development of prototypes** and provide advice and the selection and customization or implementation of tools to facilitate the modernization process.

With our consultants based in Germany, North America, the Netherlands, England and Romania we are supporting organizations all over Europe and globally.

Development Services

We develop software tool Consultingwerk is experienced in supporting and extending our customers developer teams or implementing whole applications or modules based on your requirements or detailed specifications. Our development services are backed by our team of experienced consultants, coaches and software architects.

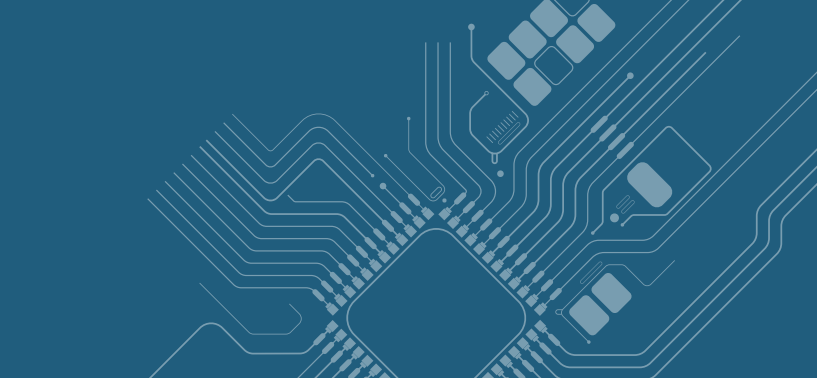
We can take over the complete implementation of light-house projects or prototypes introducing new technologies like web or mobile frontends or integration with 3rd party applications. We ensure rapid implementation without impacting your day-to-day development or maintenance routine. We can develop to standards defined by you or us, remotely or on site, using our project management and SCM tools or yours. Together with the delivery of the finished implementation we can provide the hand-over to your development team and provide ongoing maintenance if demanded.

Besides implementation of new functional or technological requirements we perform application refactoring, bug fixing or improvements to existing applications.

Our team includes senior to junior application developers experienced in all aspects of OpenEdge application development from host-based TTY, GUI, GUI for .NET, distributed Application Server, or the implementation of headless services or related frontend, web and mobile technologies such as JavaScript, TypeScript, Angular, NativeScript and the various Telerik products. We have developers and architects experienced in .NET, .NET core, Razor, Blazor or Java.

Our network of partners allows us to extend our own development resources if needed with developers we have worked with personally in the past - in our direct neighborhood or near-shore.

We provide developers and development teams for short- and long-term projects. Teams and projects can be managed by us or your own staff.



DevOps Services

DevOps is not the primary concern for every organization - as it does not add any story points to the software you deliver to your users or customers. Yet, DevOps is a very important aspect of agility and reliability of every software development organization.

DevOps is everywhere today, from enabling sprint-teams to work at maximum velocity, maintaining and keeping complex development environments up to date, management of test and staging environments and deployment into production environments on premise, remote or in the cloud and everywhere in between.

Without DevOps the ever-increasing complexity of today's software configurations is practically unmanageable.

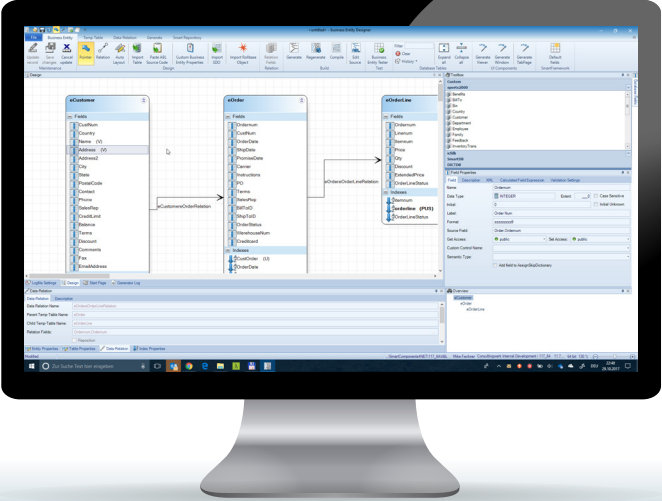
Devops is the bridge between development and operations

In close cooperation with the expert DBA's and software architects at Consultingwerk our DevOps consultants offer unique services with relation to: OpenEdge development infrastructure / sandboxed development / SCM / build pipelines / automated QA / release delivery and deployment and the operation and maintenance of production systems.

We have experience with Windows, Web Client, Web Applications, Unix, Linux, Docker based deployments from legacy host-based TTY applications, client-server, distributed AppServer applications, to modern SmartComponent Library based applications and silo/domain driven PASOE deployments in complex environments.

We can support our customers maintaining high standards on subjects like software traceability and software audits. We work efficiently to reach the most optimal time-to-market by using state-of-the art techniques like continuous integration / continuous delivery / continuous deployment / online deployment of PASOE AppServers and/or database changes.

Our DevOps consultants are experienced in fulfilling all requirements for an agile development factory architecture. Where developers work in parallel in isolated sandbox workspaces, software is automatically built, delivered to a software depot, and deployed to system integration tests -> user acceptance test -> production and fail over. Where unit tests are automatically executed for each commit, where Integration Tests run automatically on the System Integration Test Server. We implement tailored build pipelines based on our mature set of script templates.





Classic AppServer to PASOE migration

Progress Software has released OpenEdge 12. While significantly improved database performance and container-based deployments are huge incentives for upgrading to OpenEdge 12, Progress Software has discontinued the classic AppServer and WebSpeed in OpenEdge 12.

From a product management point of view, we can certainly understand this decision, however for customers using the classic AppServer or WebSpeed this may require some changes and could cause challenges. While in general AppServer and ABL client code does not require wide-reaching changes to be ported from the classic AppServer to PASOE, some minor code changes may be required here and there. A potential risk may be that PASOE is only supported on 64-bit platforms, so that usage of Windows API's from within the AppServer application may require changes.

WebSpeed applications - especially when based on customizations - may require more code changes. Classic WebSpeed applications are supported through a compatibility Web Handler which may need to be tailored to meet specific requirements.

Administration of the AppServer will require changes. As PASOE is based on the Tomcat infrastructure, it uses a completely different set of configuration files and command line utilities for interacting with the AppServer. Certain monitoring functions are provided as REST API's only.

The advantages of the Tomcat infrastructure are large, including the ability to plug in Spring Security natively, greatly enhancing the security and robustness of your application.

Consultingwerk has deep experience with using both the classic AppServer and WebSpeed as well as PASOE. We can support customers during the administration and development of OpenEdge AppServer applications.



Consultingwerk was awarded the 2017 Community Service Award by Progress Software, is a founding member of the Common Component Specification initiative and is a Progress Software Service Delivery and Technology Alliance Partner.

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