

## Enterprise Mobile Computing

Mobile applications are becoming more and more important to an organization's overall IT strategy. While first-generation mobile applications mainly provided general information to the public, employees and clients are increasingly demanding advanced and interactive solutions for their smartphones and tablet computers. Today, they expect their mobile solutions to be integrated with the organization's existing systems and to deliver and visualize data from ERPs and legacy systems in real time.

AdNovum has a broad range of experience in designing and developing secure, enterprise-scale mobile applications for a variety of platforms. We invite you to leverage our experience for your organization.

### Mobile Solutions

Our mobile solutions are developed in close cooperation with our clients and tailor-made to fit their needs. They guarantee a high-quality user experience, are fast and reliable, and employ tried-and-tested components to ensure rapid roll-out and efficient development. Our solutions run on both smartphones and tablet computers as well as on a broad range of platforms, including iOS (iPhone, iPad) and Android. For roll-out and deployment, the standard vendor stores are used, which ensures rapid adoption by users.

### Benefits

- Tailor-made to fit your needs
- Highest quality and reliability
- State-of-the-art security, including encryption, authentication and authorization
- Seamless integration with backend systems
- Full utilization of mobile features such as geolocation and camera
- Cost efficiency through leverage of existing IT infrastructure and systems
- Broad platform support, including iOS and Android, to maximize reach
- Rapid development, short roll-out cycles
- 24/7 maintenance and support services



### Reference Case: UBS Mobile Banking

UBS Mobile Banking enables e-banking private clients of UBS AG to access their account and stock transaction data via mobile phones. In addition, the application supports scanning of payment slip data for processing in UBS e-banking. Within six months after launch in the iPhone App Store, UBS Mobile Banking was downloaded over 70'000 times.

AdNovum developed the technical design, implemented the App and integrated it into the UBS' e-banking environment. Also, AdNovum provides maintenance and operational support for the solution.

The application was implemented as a hybrid iPhone App based on the open-source framework PhoneGap. This minimizes the effort for porting the iPhone App to other mobile OS such as Android or Windows Phone. Also, it reduces costs for further development as there is only one code base. UBS Mobile Banking was launched as Android App only six months after the initial launch.

On the server side, the application is based on Java EE. Authentication is effected by AdNovum's security framework Nevis that is also used for the protection of UBS e-banking.

# AdNovum

UBS Mobile Banking has been classified as reference application for UBS' future mobile applications.

## Features

- Access to asset and transaction data (account balances and transactions, custody accounts and portfolios including detailed positions, stock exchange and securities transactions)
- Scanning of payment slip data
- Encryption of transmitted data
- Anonymization of data (no names, no account numbers)
- Reference application for UBS' future mobile applications
- User potential of 600'000 users, over 70'000 downloads within 6 months after launch

## Technology

- Hybrid iPhone and Android App based on PhoneGap
- Server-side: Java EE
- Authentication with Nevis security framework
- Integrated with legacy mainframe (zOS) system



## About AdNovum

AdNovum is a leading Swiss software engineering firm with a strong focus on enterprise solutions and security. AdNovum was founded in 1988 and employs over 550 staff worldwide, including consulting and development teams in Singapore and Ho Chi Minh City.

Our clients include leading global banks and financial service providers, to whom we provide consultancy, integration and development services. AdNovum is vendor-neutral.



AdNovum Informatik AG  
Tom Sprenger, CTO  
Roentgenstrasse 22, CH-8005 Zurich  
Phone: +41 44 272 61 11  
E-mail: tom.sprenger@adnovum.ch