



Mobile device management (MDM) and mobile application management (MAM)

Improved collaboration (O365)

Secure access from any location and any device (BYOD)

## Secure collaboration with Intune

The BKW Group's Europe-wide acquisition of several companies and the continuously increasing mobility demands made it necessary to adjust their IT infrastructure in order to encourage and ensure secure collaboration across all affiliated companies and within the BKW Group itself. Therefore, they decided to invest in a Microsoft based solution. The focus was on improving collaboration, regardless of the device types, app types, and the location.

While each of the companies needed to keep having access to their own data, they also needed a secure platform to exchange data and work on projects simultaneously. In addition, the platform had to be accessible from various device types and locations using multiple apps in a secure

manner. As the BKW Group is already using O365 and with the implementation of the proposed solution, Keyon could enable the workforce to be productive on all their devices and locations, while keeping the organization's information protected.

## The customer

The BKW Group is a Bern-based international energy and infrastructure company employing more than 6,000 people. Its company network and extensive expertise allow it to offer its customers a full range of overall solutions. The Group plans, builds and operates infrastructure to produce and supply energy to businesses, households and the public sector, and offers digital business models for renewable energies. Today, the BKW Group portfolio comprises everything from engineering consultancy and planning for energy, infrastructure and environmental projects, through integrated offers in the field of building technology, to the construction, servicing and maintenance of energy, telecommunications, transport and water networks.

[www.bkw.ch](http://www.bkw.ch)

## Requirement

The BKW Group wanted to provide the affiliated companies with access to their infrastructure and encourage collaboration between the group companies as well as within the BKW Group on a secure basis, regardless of the device type and location.

## Solution

Microsoft Intune is the component of Enterprise Mobility + Security (EMS) that manages mobile devices and applications. Mobile device management (MDM) offers control over the devices accessing the collaboration platform and e-mail / calendaring server (SharePoint Online & Exchange Online) while mobile application management (MAM) offers fine granular control over the data processed by the provided apps. Intune integrates closely with other EMS components like Azure Active Directory (Azure AD) for identity and access control (conditional access based on e.g. user groups, location dependent, cloud resources, compliance guidelines, etc.) and Azure Information Protection

for data protection. Keyon planned, conceptualized, integrated the solution, and supported the BKW Group in all phases of the project.

## Details

### Mobile Device Management (MDM)

- MDM enables the BKW Group to enroll the devices with the Intune MDM app, which permits the company to ensure that only devices, that are compliant with their IT guidelines, access their data. Distributing certificate profiles to the devices during this process allows the end users to access the corporate resources through Wi-Fi, VPN, or e-mail profiles without having to authenticate again.

### Mobile Application Management (MAM)

- MAM allows the BKW Group to protect data on an application level, by differentiating between work-related managed apps and personal unmanaged apps. This protects the users from accidentally sharing data with unprotected or unauthorized apps. With Intune's off-the-shelf app wrapping feature, Keyon enabled 3rd-party applications (e.g. SAP) for MAM. The BKW Group now has access control to SharePoint Online and Exchange Online from managed apps on Android and iOS devices. An additional feature of Intune is the possibility to use MAM with a third party MDM provider, such as Good Dynamics, MobileIron, Citrix XenMobile, Airwatch, etc.

### Conditional access

- Conditional access for access to O365 resources, in combination with Azure Multi-Factor Authentication (Exchange Online, SharePoint Online, and OneDrive for Business) allows the BKW Group to determine access on a fine granular level. For example, which users are allowed to access which cloud resources using which devices based on the location, device compliance, etc.

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