The Digital Campus for Continuous Education is a central infrastructure for technical supported teaching and learning scenarios, which is reliable, cross institutional, compliant with data protection and legally secured. Additionally it offers opportunities for a common use as well as an exchange of digital contents between institutions. It is operated by vimotion GmbH and promoted by the state of Baden-Württemberg within the „Alliance for Lifelong Learning“.
Technically supported teaching and learning scenarios enable

- **to individualize educational processes:** Educational content can be specifically adjusted to the need, the requirement and the individual learning conditions of the student.

- **to handle high complexity:** Today many problems and questions have reached a complexity which requires an interdisciplinary approach. Nevertheless continuous education still needs to be affordable.

- **to offer an workplace oriented continuous education:** Continuous education in the form of classroom teaching has many beneficial impacts like rewarding effects, the strengthening of social interactions and even inspirational recuperative effects. But often they are very expensive and ineffective, because they can’t ensure that educational content is available when it is needed: while problem solving, directly at work or at the time when the problem occurs.

- **more flexibility** in selecting learning facilities and study times.

- **an increasing motivation** through constant feedback options and knowledge monitoring.

- **to offer education in niche topics:** Regionally limited markets with less demand change into supraregional markets and therefore appropriate offers can be implemented economically wisely.
a more **intensive support** of the customers and students by providing synchronous and asynchronous communication and feedback tools.

an **easier implementation of the Bologna Strategy**: After the Bachelors’ degree students often enter into work life. Using technically supported learning scenarios a Masters’ degree can significantly easier be completed parallel to work life.

the **medial preparation of educational content** and therefore an improvement of the outcomes of continuous education through media diversity, especially by audio and video sequences, simulation, animation, interactive elements and step by step tutorials.

to **prevent the digital separation of the society**: Because of their small size many institutions are unable to handle the technical and organisational challenges as well as the regulations of data protection. So the digital separation of society is intensified by a digital separation of the education and training landscape.

to consider that people **changed their communicational behaviour** in continuous education.

**actuality**, because it becomes much easier to update rapidly changing educational content, for example in the field of information technology.

to **offer a nationwide continuous education of high quality**.

**to improve the participation** in social and cultural life even with handicaps.

to **build more homogenous learn groups** during attendance phases by preparing learning modules. Attendance phases can be limited to the contents and methods, in which their advantages and potentials are shown to the fullest.

**to improve diagnostic possibilities**: Deficiencies which have to be improved can be recognized more easily, so it is possible to offer matching educational content.

the **improvement of integration measures**: After career breaks employees have better possibilities to return adequately skilled into work life, because the necessary qualification offers and the required needs can be optimally matched.

**to collect and merge the professional skills** of students more easily in their individual expertise portfolios.
1. High synergy effects

» The joint use of technical infrastructure makes it possible to use hard- and software to an expense, which would be unrealistic for a single institution.

» Systems of a very high quality and scalability can be used.

» A very high availability is guaranteed (at least 98 % in annual average – actual availability in 2014: 99,991 %).

» Operating system Debian, applications are separated in the V-server, SELinux (security enhanced linux) is used as a safety system.

» Automated hardware and process service monitoring guarantees that errors are immediately recognized (automated monitoring by over 1000 sensors).

» A very high level of data security is ensured by sophisticated data security systems (backups), also in case of unauthorized access attempts.

» Data traffic as well as the actual data carrier (hard drives) is always encrypted.

» The guidelines of the Federal Office for Data Security (see https://www.bsi.bund.de/DE/emen/Cyber-Sicherheit/ISi-Reihe/ISi-Reihe_node.html) are strictly implemented.

» Interfaces between the system and the administration programs can be used jointly.

» Significantly lower license prices become possible, for example for virtual rooms like Vitero.

» Continuous “up to dateness” by ongoing updates (ILIAS version 5.1 in responsive web design since April 2016).

» The joint usage of learning modules and therefore high access numbers enables

  » to achieve more attractive prices for professional content,
  » to develop customized license models, which allow the modularisation of content,
to jointly use the necessary interfaces between learning modules, to facilitate the content sharing and the cooperation with other institutions.

2. The Digital Campus of Continuous Education provides plugins.

The range of functions within the Campus of Continuous Education is significantly extended by jointly used plugins, for example Vitero (virtual conference room), Etherpad (synchronous development of documents, version controlled), UserCreateEventHook (highly simplified administration by automated skin and rights assignment).

3. Individual advantage for institutions

A high level of security through a sophisticated rights and role management

A clear distinction of categories with their own local user administration

Global role administration

Multi-client capability

Individually configurable license manager

Single Sign-on (Shibboleth-Server)

All objects within ILIAS as well as all content objects can be used as single objects (ILIAS is object based).

By referring courses classes can be used beyond categories (essential for the cooperation of educational institutions)

Individual activation of personal data and therefore increased self-determination for the customer (can be listed as a convincing argument in advertisement)

Edition adjustment to the terminal device

Support of SCORM 2014

Availability of the SCORM 2014 offline-player under Mozilla Firefox,

Individual appearance for every single institution.
4. Contractual security

» Legally certified documents are made available to the institutions, also documents which lie in their own sphere of responsibility like data processing agreements, user conditions for end users, administrators and lecturers.

5. Development and technical support from the region

» A team of developers located in Germany facilitates the cooperation.

6. Awards

› Finalist at the European eLearning Award 2009
› Price winner at the eLearning Award 2013 in the category „Social Media“
› Price winner at the eLearning Award 2015 in the category „Virtual Classroom“
› Nomination for the German eLearning Award „Innovation and upcoming talents“ (d-elina) in the category „School“ in 2015
The technical side of the Digital Campus of Continuous Education forms a highly failsafe server landscape, with a security and availability which barely can be made financially possible by single offers. Every functionality is being implemented by its own, for this purpose designed virtual server, which is separately maintained.

The modular design reduces the complexity of the individual functional unit and increases the maintainability of the system in the long term. The various possibilities result by interaction of these units.

All technical units are at least redundant designed. If one component fails, its redundant counterpart will automatically fill in.