Information and Communication Technology (ICT) offers significant opportunities to enable access to education and knowledge anywhere and anytime. The Internet is developing into a global library with overpowering influence as an information and knowledge database for all fields. Access to this database, i.e. provision of the technological prerequisites, availability of the necessary infrastructure, and the training of personnel qualified to implement and control specific knowledge management systems, are becoming strategic resources and essential factors that contribute to added value in all national economies. It is a matter of fact that this competitiveness of enterprises (and national economies) in a globalized world is strongly dependent on a highly skilled workforce that is able to act in flexible work processes that are changing daily. Vocational education and training has to realize the changing demands and offer solutions for modern and updated training concepts in this respect. Against the background of these developments, BIBB is looking into the fundamentals of enabling the integration of digital information into a methodological and didactic concept, with the aim of using this as a basis from which to investigate the learning potential involved. Within this specific context, the promotion of self-directed qualification by means of information and knowledge management represents a further strategic challenge for trainees. Therefore the BIBB engages in launching a project initiative which focuses on the use of IT-based (mobile) learning environments in the manufacturing process, the maintenance (sector) and the service (sector) in the car industry.