



Company presentation

On a glance

- Since more than 65 years training provider of the German chemical industry
- Origin in the colour and laquer industry of former GDR
- Since 1991 SBG Dresden as a training provider with the legal form of a non-profit limited company
- Comany philosophy = practical and pedagogical provision of contents in the field of natural and environmental sciences, with to foci of:
 - **First professional training (dual VET system) in training networks for chemistry and environmental science (120 companies)**
 - **Specialist training / middle level management („Meister“- level)**
 - **Retraining measures**
 - **National and international project work (development of competence profiles on EQF 4-6, new learning methods (AR), ...)**
 - **Job orientation**



At first apprentice, then specialist („Meister“)



Natural sciences

SMEs from the chemical and pharmaceutical industry

- chemical lab technician, biological lab technician, physical lab technician, laquer lab technician, chemical operator, pharmaceutical operator, production assistant for the chemical industry, process technician for coating operations, mechatronic,
- Industry specialist for chemistry
- Industry specialist for pharmacy
- Retraining measures
- Modular qualifications



Technical environmental protection

Waste management – public and private organisations

- Water supply technician, waste water technician, waste management technician
- Specialist for waste water management
- Specialist for waste management
- Retraining measures
- Modular qualifications



The SBG as leading company for:

- Saxon Training Network for Chemistry
 - Apogepha Arzneimittel, Beiersdorf Waldheim, Fraunhofer Institute, Giesecke & Devrient, GlaxoSmithKline Biologicals, Globalfoundries, Helmholtz-Zentrum Dresden-Rossendorf, Leibnitz-Institute, Max-Planck-Institut Dresden,...

- Saxon Training Network for Waste Management
 - Stadtentwässerung Dresden, Stadtreinigung Dresden, Veolia Umweltservice, Technical University Dresden,...

- Saxon Training Network for House Services

- Saxon Training Network for Floristry



Company divisions

Naturwissenschaft

Chemie, Pharmazie,
Verfahrenstechnik,
Biologie und Physik



Umweltechnik

Wasserversorgung,
Abwasser und Kreislauf-
und Abfallwirtschaft



SBG

Maler



Personenbezogene
Dienstleistungen



Floristik





Digitalisation means for SBG, especially:

1. Digitalisation of the classroom / laboratory: first professional and further training

chemical and waste management industry
2. Digitalisation of the company training (in the process of work) – e.g. Quality management - GMP (pharmacy)
3. Pilot projects: national and international



Best Practice Beispiel

- Learning platform for VET and further training
- Some Learnings:
 1. Organizational framework important: further training vs. first professional training:
 2. Qualification of (company) trainers is the key
 3. Which features/contents do work?
 - Further training – Tests, forum, e-Learning modules
 - First professional training – Online lab records, tests, partly e-learning modules
 4. Availability: mobile





New Frontiers of training & learning

Virtual Reality (VR)



VR and AR for companies
(National Project)

Augmented Reality (AR)



AR4VET- AR for teachers and
trainers (EU Project)