

|               | MinePlan               | MINT   | ViKoP  | ViEeco<br>ViPPER   | ViEeco<br>ViSLER   | ViEeco<br>ViSLER  | EPG<br>VPC / VLC  | EPG<br>VPC / VLC  | EPG<br>VPC / VLC   |
|---------------|------------------------|--|--|--|--|---|---|---|--|
| Start Date    | 1994                   | 1995   | 1998   | 2004   | 2004   | 2011  | 2014  | 2016  | 2018   |
| Products      | truck axles            | truck axles  | truck axles  | pneumatic valve  | printers & plotters  | laptops   | ballpoint pens  | clothes pegs  | water pumps  |
| Content       | factory planning       | factory planning   | factory planning   | product change management, factory planning, quality management        | factory planning (assembly), logistics planning (supply chain & warehouse), QM           | factory planning (assembly), logistics planning (supply chain & warehouse), QM      | factory planning (production & assembly), logistics planning (supply chain & warehouse), QM | factory planning (production & assembly), logistics planning (supply chain & warehouse), QM | factory planning (production & assembly), logistics planning (supply chain & warehouse), QM                    |
| Location      | local                  | international  | international  | international  | international  | international   | international   | international   | international  |
| Collaboration | same time & same place | virtual  | virtual  | virtual  | virtual  | virtual   | virtual   | virtual   | virtual  |
| Software Type | —                      | self developed collaboration tools                       | self developed 3D collaborative planning software                                  | commercial software  | commercial software  | commercial software   | commercial software   | commercial software   | commercial software  |
| Software      | paper based            | video-conferencing, application sharing, layout planning | Learning management system, video-conferencing, 3D collaborative planning software | CAD, 3D viewer collaboration, PDM, collaborative 3D planning, software | PDM, multi-point conferencing & application sharing, collaborative 3D planning, software | PDM, multi-point conferencing & application sharing, 3D VR planning software        | PDM, multi-point conferencing & application sharing, 3D VR planning software                | PDM, multi-point conferencing & application sharing, 3D VR planning software                | PDM, multi-point conferencing & application sharing, 3D VR planning software                                   |
| Hardware      | paper and pen          | video-conferencing, PCs                                  | video-conferencing, PCs  | video-conferencing, PCs  | video-conferencing, PCs, planning table VisTable-Touch                                   | video-conferencing, PCs, planning table VisTable-Touch, VR powerwall incl. tracking | video-conferencing, PCs, planning table VisTable-Touch, VR powerwall incl. tracking         | video-conferencing, PCs, planning table VisTable-Touch, VR powerwall incl. tracking         | video-conferencing, PCs, planning table VisTable-Touch, VR powerwall incl. tracking, Head Mounted Devises HMDs |