A video wall is a special display arrangement that consists of multiple computer monitors, video projectors, or television sets tiled together in order to form one large screen. Technical challenges in the development of video walls range from screen resolution and the creation of seamless images to traditionally high implementation costs, effective networking of input and output devices, and high quality software designed for well distributed architecture and load balancing of video walls. Calgary based company Userful Corporation (Alberta), over the course of two projects, collaborated with Display Solution AG (Germany) to develop a combined hardware software innovation where low-cost network connected endpoint devices work together with a central server to deliver a highend video wall solution, as well as an advanced software solution for a centralized display infrastructure. In a third collaboration project with LCS (France), Userful developed an integrated platform for content creation and video wall presentation. Userful’s solutions developed in collaboration with their two European partners provide an array of opportunities for different application areas whether it be in the office, the control room, a public area, or an artistic video wall installation.

Advanced Video Wall Solutions

New hardware-software display solutions and integrated platform for content creation and video wall presentation.

Positive outcomes for Userful:

• 20 new employees hired
• significant increase in revenue
• continues working with German partner
• continues working with French partner
• successfully launched their “Userful Cloud” Smart-display solution with global display maker LG

The Alberta-Europe Technology Collaboration Fund is a program developed by the Alberta Government’s Ministry of Economic Development, Trade and Tourism and delivered by the German-Canadian Centre for Innovation and Research.