AR Discussion

Scenarios of AR:

* 1. Line Tour: when the guest visits the production line, he can go through the introduction of production line, such as layout, equipment, and process.
  2. Equipment Repair: engineer can see the virtual parts with status/data of production equipment. When repairing with SOP through Smart Glasses, the system will validate if the engineer follows the SOP.
  3. Real-Time Interaction: the mentor can guide the engineer to tune the parameter via mobile device. (engineer wears Smart Glasses)
  4. Training: this case is similar with case B. The system can exam and score the engineer for maintenance task.

Questions

1. We think Microsoft HoloLens is too heavy. Does any other Smart Glasses are with smaller size and Lightweight? And with better battery capacity.
2. As we know, PTC’s solution is the platform which can connect to Smart Glasses by configuration way (low code). Any other solution can provide similar functions and support Smart Glasses besides HoloLens?
3. Reference sites for our scenarios? Which the solution they choose?
4. The 3D model of production equipment will create lots of effort if we do it ourselves. Does any tool can build 3D model quickly and easily?