

## **Additional TeknoVe Info for Project Step 1**

### **UC 1**

One of the largest issues plaguing the quality control team today is that many of the errors they are asked to check for are microscopic. While traditional random sampling of materials has always been augmented by simply removing faulty material from the line when identified, the advancements of materials have meant complete dependence on the random sampling. While the team can increase the frequency of the random sampling, even then they often have trouble identifying issues. The computer vision based approach being proposed is exciting to them. The team's only question is where to put the cameras. The factory floor is already jam packed and they're being told a 360 degree camera station will take up a significant amount of space.

### **UC 6**

The team characterizes TeknoVe's supply chain strategy today as reactive rather than proactive. With so many suppliers around the world, procurement teams are well known for always running around "putting out fires". As supply risk settles down in one country, it inevitably emerges in another. The solution being proposed may help to create a more proactive strategy by monitoring news sources and anticipating risk well ahead of time. Asked if this is something they do today, procurement officers made it clear that while they're always monitoring the news and pay third party vendors for risk scoring etc., the notion that they could keep track of events across hundreds of locations is unreasonable. While excited by the prospect being proposed, one doubt they have is whether or not they can determine what is or isn't the type of negative story that warrants their attention. It may be that a reactive approach is actually the best way to go.

### **UC 7**

In comparing the before and after versions of the storyboards for the contract analysis tool, the team laid out the following scenarios.

Today, all contracts are entered into an Enterprise Resource Planning (ERP) system at the time of issue. Standard dates such as renewals and payment obligations are tracked and as a result a simple database query can be used for financial planning and other purposes. The AI system being proposed would automate this data entry but still make use of the underlying database for planning purposes. The team has also noted that there are actually a finite number of lease contracts to keep track of, as terms are standard except for seven characteristics (those entered manually) across all deals.