**Synthesis:**

The continuous merging of technology and products are producing radical changes in the way businesses work. From this you can derive an array of benefits such as preventing problems before they occur. These new connected products are changing how companies work, these products need an entirely new infrastructure or so called "Technology stack", this new infrastructure needed for the implementation of connected products imply changing and creating core business functions as well as changing the organizational structure. They have capabilities that enable businesses and managers to understand fundamentally the process and derive accurate judgement from the data collected. Benefits from this infrastructure are that products are now able to monitor themselves and report on their own condition, the products are also remote controlled meaning they are accessible remotely through numerous remote access options, and optimization which naturally spans from being able to monitor and control the product, this results in a better and better product since there is always information pertinent to how the product is performing and thus there is also room for continuous improvement.

These products new capabilities affect every activity in the value chain, from IT to finance, fundamentally this change is being driven by data, the most valuable contemporary resource for a firm to have, never before has it ever been more accurate and easy to acquire data. Smart connected products allow us to get data basically in real time and this boosts firms' competitiveness, also the easy collection and analysis of data allows firms to make better products and get better feedback, thus driving innovation and allowing the possibility of preventing defects, such availability for data also allows firms' to predict and diagnose events many months before they happen.

Another very important aspect of firms making smart connected products is the necessity of rethinking all of the design. It is now cheap and feasible for customers to personalize their product via software menus and other such tools without having to rely on hardware modifications; it is also possible to update and maintain the product remotely via software updates or other such features; in addition there are such things as augmented reality being incorporated to the product that make the product controllable from a distance, which is to say allow for remote control.