William B. Winkel

Mr. Winkel has over 30 years' experience in the field of Evidence-based Engineering and Corrective Processes. The experience has spanned multiple industries to include Automotive, Commercial, and National Defense. Through this he has gained perspective on high vs low volume design and production, as well as engagement as defined within large vs small organizations. Over the past ten years his academic and daily focus has been to understand, implement, and demonstrate the value of an organization's Corrective process. The result has led to an understanding of organizational control that is driven by standardized metrics whose parameters are observable, reachable, and controllable from within the organization. The collection and validation of data to support these metrics has resulted in software tools designed to systematically break down what is often referred to as the organization's functional silos as well as measure Correction Capability. His work continues with two major objectives. The first, to systematically control product quality and reliability with lessons-learned collected, validated, and disseminated directly to the functional sources of the defect escape. The second is to create and embed managed processes that are inherent in the organization's digital fabric, i.e., as opposed to waiting for 'goodness' to occur as a result of adoption via social networking. His work continues to expand the concepts of Repairable Systems Theory to integrate CMMI's Level-5 processes with the physics, engineering, and mathematics of the Product Support discipline.

Mr. Winkel has a Bachelor's degree in Electrical Engineering, a Master's degree in Reliability Engineering, and has completed all but his dissertation towards a PhD in Reliability Engineering. His work continues with the topic of Evidence-based Product and Process Improvement.