

sending the process data (332) collected to the central location (104) using the communication system.

8. The method of claims 4-7, wherein the number of tools (120) is selected from at least one of a contour drilling machine (130), a drill motor (130), and a fastener (134), and wherein the number of tools is a number of nodes on the network (102).

9. The system of claim 1, wherein the enterprise-level network architecture further includes an authentication control server (102), and wherein the system further comprises: a number of access points (118) providing communication between the number of tools (120) and the authentication control server (102), wherein a number of security certificates (328) are each associated with each of the number of tools (120), and wherein the authentication control server (102) is configured to authenticate each of the number of tools (120) using the respective security certificate (328).

10. The method of claim 4, wherein the enterprise-level network architecture further includes an authentication control server (102) in communication with the communication system, and wherein the method further comprises: providing communication between each of the number of tools (120) and the authentication control server (102) using a number of access points (118), wherein a number of security certificates (328) are each associated with each of the number of tools (120); authenticating each of the number of tools (120) using the respective security certificate (328) and the authentication control server (102).