WHAT IS CLAIMED IS:

1. A method comprising:

measuring one or more characteristics of corrosion in equipment before implementation of a corrosion remediation action;

reducing or repairing the corrosion in the equipment by implementing the corrosion remediation action;

measuring the one or more characteristics of the corrosion in the equipment after implementation of the corrosion remediation action;

determining a change in the one or more characteristics of the corrosion in the equipment between before and after the implementation of the corrosion remediation action, based on one or more historical operational characteristics of the equipment, or one or more forthcoming operational characteristics of the equipment, wherein the one or more historical operational characteristics including one or more of a previous setting of the equipment, a previous speed at which the equipment operated, a previous temperature in which the equipment operated, a previous humidity level in which the equipment operated, or a previous amount of dust in which the equipment operated, and wherein the one or more forthcoming operational characteristics including one or more of a planned throttle setting of the equipment, a planned horsepower output of the equipment, an expected ambient temperature, or an expected humidity; and

modifying a schedule of one or more forthcoming instances of the corrosion remediation action for the equipment based on one or more of:

the one or more characteristics of the corrosion in the equipment that are measured, the change in the one or more characteristics of the corrosion in the equipment, the one or more historical operational characteristics of the equipment, or the one or more forthcoming operational characteristics of the equipment.

2. The method of claim 1, wherein the one or more characteristics of the corrosion in the equipment include one or more multi-dimensional characteristics of corrosion pits in the equipment.

3. The method of claim 1, wherein the corrosion remediation action includes one or more of washing the equipment or applying a paint or other coating to the equipment.

4. The method of claim 1, wherein the method includes determining a rate of change in the one or more characteristics of the corrosion as the change in the one or more characteristics of the corrosion, and wherein the schedule is modified based on the rate of change.

5. The method of claim 1, wherein the schedule of the one or more forthcoming instances of the corrosion remediation action is modified based on an operational objective of the equipment.

6. The method of claim 5, wherein the operational objective of the equipment includes a limit in one or more of a fuel efficiency of the equipment or emissions generated by the equipment.

7. The method of claim 1, wherein the schedule of the one or more forthcoming instances of the corrosion remediation action is modified for a fleet of equipment that includes the equipment for which the one or more characteristics of corrosion were measured, the schedule modified for the fleet based on the one or more characteristics of the corrosion in the equipment, the change in the one or more characteristics of the corrosion in the equipment, the one or more historical operational characteristics of the

equipment, or the one or more forthcoming operational characteristics of the equipment.

8. The method of claim 1, wherein modifying the schedule includes one or more of determining availability of different remediation actions that includes the corrosion remediation action or delaying a scheduled instance of the corrosion remediation action based on availability of the equipment.

9. The method of claim 1, further comprising determining upcoming growth in the corrosion in the equipment based on the one or more characteristics of the corrosion that are measured and the one or more forthcoming operational characteristics of the equipment, wherein the schedule is modified based on the upcoming growth in the corrosion.

10. The method of claim 1, wherein the schedule of the one or more forthcoming instances of the corrosion remediation action for the equipment is modified to increase a time period between successive corrosion remediation actions in the schedule.

11. A system comprising one or more processors configured to:

obtain a measurements of one or more characteristics of corrosion in equipment before implementation of a corrosion remediation action,

control one or more reduction or repairs of the corrosion in the equipment by implementing the corrosion remediation action,

obtain an additional measurement of the one or more characteristics of the corrosion after the implementation of the corrosion remediation action,

determine a change in the one or more characteristics of the corrosion between before and after the implementation of the corrosion remediation action, based on the one

or more historical operational characteristics of the equipment, or one or more forthcoming operational characteristics of the equipment, wherein the one or more historical operational characteristics including one or more of a previous setting of the equipment, a previous speed at which the equipment operated, a previous temperature in which the equipment operated, a previous humidity level in which the equipment operated, or a previous amount of dust in which the equipment operated, and wherein the one or more forthcoming operational characteristics including one or more of a planned throttle setting of the equipment, a planned horsepower output of the equipment, an expected ambient temperature, or an expected humidity, and

modify a schedule of one or more forthcoming instances of the corrosion remediation action for the equipment based on one or more of:

the one or more characteristics of the corrosion in the equipment that are measured, the change in the one or more characteristics of the corrosion in the equipment, the one or more historical operational characteristics of the equipment, or the one or more forthcoming operational characteristics of the equipment.

12. The system of claim 11, wherein the one or more processors are configured to determine a rate of change in the one or more characteristics of the corrosion as the change in the one or more characteristics of the corrosion, and wherein the one or more processors are configured to modify the schedule based on the rate of change.

13. The system of claim 11, wherein the one or more processors are configured to modify the schedule of the one or more forthcoming instances of the corrosion remediation action based on a limit on one or more of a fuel efficiency of the equipment, audible noise generated by the equipment, or emissions generated by the equipment.

14. The system of claim 11, wherein the one or more processors are configured to

determine upcoming growth of the corrosion in the equipment based on the one or more characteristics of the corrosion that are measured and the one or more forthcoming operational characteristics of the equipment, wherein the one or more processors are configured to modify the schedule based on the upcoming growth that is determined.

15. A method comprising:

measuring one or more characteristics of corrosion in equipment before implementation of a corrosion remediation action;

reducing or repairing the corrosion in the equipment by implementing the corrosion remediation action;

measuring the one or more characteristics of the corrosion in the equipment after the implementation of the corrosion remediation action;

determining a change in the one or more characteristics of the corrosion in the equipment between before and after the implementation of the corrosion remediation action;

determining upcoming growth of the corrosion in the equipment based on the one or more characteristics of the corrosion that are measured and forthcoming operational characteristics of the equipment that include one or more of a planned throttle setting, a planned horsepower output, an expected ambient temperature, or an expected humidity; and

modifying a schedule of one or more forthcoming instances of the corrosion remediation action for the equipment based on the upcoming growth of the corrosion that is determined and the forthcoming operational characteristics of the equipment.

16. The method of claim 15, wherein the one or more characteristics of the corrosion

in the equipment include one or more multi-dimensional characteristics of corrosion pits in the equipment.

17. The method of claim 15, wherein the method includes determining a rate of change in the one or more characteristics of the corrosion as the change in the one or more characteristics of the corrosion, and wherein the schedule is modified based on the rate of change.