CLAIMS

1. An apparatus comprising:

a sensor feedback analyzer to analyze feedback from sensors associated with a dock at a material handling facility to determine durations for completion of tasks in a sequence of operations associated with loading or unloading of a trailer at the dock based on the feedback;

an efficiency analyzer to compare the durations to target thresholds associated with the tasks; and

a user interface generator to generate a user interface indicating at least one of the durations, the target thresholds, or differences between the durations and the target thresholds.

2. The apparatus of claim 1, wherein the user interface generator is to generate a timeline indicating when successive ones of the tasks were completed relative to previous ones of the tasks.

3. The apparatus of claim 2, wherein the loading or unloading of the trailer includes an arrival phase, a material handling phase, and a departure phase, wherein the timeline extends in a first direction during the arrival phase, a second direction during the material handling phase, and a third direction during the departure phase, the first direction different than the second direction, the second direction different than the third direction.

4. The apparatus of claim 2, wherein the timeline is a first timeline, the user interface generator to generate a second timeline based on the target thresholds for the tasks.

5. The apparatus of claim 1, further including:

memory to store the durations for the completion of the tasks; and

a target threshold determiner to update the target thresholds based on the stored durations.

6. The apparatus of claim 1, further including:

a utilization analyzer to determine utilization metrics for different docks at the material handling facility; and

a dock assignment analyzer to assign a new trailer to one of the different docks based on the utilization metrics.

7. The apparatus of claim 6, wherein the user interface generator is to generate a utilization heat map for the different docks based on the utilization metrics.

8. The apparatus of claim 1, wherein the user interface generator is to generate a timing indicator to provide an indication of time relative to a first one of the target thresholds while a first one of the tasks is being completed.

9. The apparatus of claim 8, wherein the timing indicator counts up to indicate an amount of elapsed time since at least one of a beginning of the first task or the completion of a task previous to the first task.

10. The apparatus of claim 8, wherein the timing indicator counts down from a time corresponding to the first target threshold to indicate an amount of time remaining to complete the first task within the first target threshold.

11. A computer readable medium comprising instructions that, when executed, cause a machine to at least:

analyze feedback from sensors associated with a dock at a material handling facility to determine durations for completion of tasks in a sequence of operations associated with loading or unloading of a trailer at the dock based on the feedback;

compare the durations to target thresholds associated with the tasks; and

generate a user interface indicating at least one of the durations, the target thresholds, or differences between the durations and the target thresholds.

12. The computer readable medium of claim 11, wherein the instructions further cause the machine to generate a timeline indicating when successive ones of the tasks were completed relative to previous ones of the tasks.

13. The computer readable medium of claim 12, wherein the loading or unloading of the trailer includes an arrival phase, a material handling phase, and a departure phase, wherein the timeline extends in a first direction during the arrival phase, a second direction during the material handling phase, and a third direction during the departure phase, the first direction different than the second direction, the second direction different than the third direction.

14. The computer readable medium of claim 12, wherein the timeline is a first timeline, the instructions further causing the machine to generate a second timeline based on the target thresholds for the tasks.

15. The computer readable medium of claim 11, wherein the instructions further cause the machine to:

store the durations for the completion of the tasks; and

update the target thresholds based on the stored durations.

16. The computer readable medium of claim 11, wherein the instructions further cause the machine to:

determine utilization metrics for different docks at the material handling facility; and

assign a new trailer to one of the different docks based on the utilization metrics.

17. The computer readable medium of claim 16, wherein the instructions further cause the machine to generate a utilization heat map for the different docks based on the utilization metrics.

18. The computer readable medium of claim 11, wherein the instructions further cause the machine to generate a timing indicator to provide an indication of time relative to a first one of the target thresholds while a first one of the tasks is being completed.

19. The computer readable medium of claim 18, wherein the timing indicator counts up to indicate an amount of elapsed time since at least one of a beginning of the first task or the completion of a task previous to the first task.

20. The computer readable medium of claim 18, wherein the timing indicator counts down from a time corresponding to the first target threshold to indicate an amount of time remaining to complete the first task within the first target threshold.

21. A method comprising:

analyzing feedback from sensors associated with a dock at a material handling facility to determine durations for completion of tasks in a sequence of operations associated with loading or unloading of a trailer at the dock based on the feedback;

comparing the durations to target thresholds associated with the tasks; and

generating a user interface indicating at least one of the durations, the target thresholds, or differences between the durations and the target thresholds.

22. The method of claim 21, further including generating a timeline indicating when successive ones of the tasks were completed relative to previous ones of the tasks.

23. The method of claim 22, wherein the loading or unloading of the trailer includes an arrival phase, a material handling phase, and a departure phase, wherein the timeline extends in a first direction during the arrival phase, a second direction during the material handling phase, and a third direction during the departure phase, the first direction different than the second direction, the second direction different than the third direction.

24. The method of claim 22, wherein the timeline is a first timeline, the method further including generating a second timeline based on the target thresholds for the tasks.

25. The method of claim 21, further including:

storing the durations for the completion of the tasks; and

updating the target thresholds based on the stored durations.

26. The method of claim 21, further including:

determining utilization metrics for different docks at the material handling facility; and

27. assigning a new trailer to one of the different docks based on the utilization metrics.

28. The method of claim 26, further including generating a utilization heat map for the different docks based on the utilization metrics.

29. The method of claim 21, further including generating a timing indicator to provide an indication of time relative to a first one of the target thresholds while a first one of the tasks is being completed.

30. The method of claim 28, wherein the timing indicator counts up to indicate an amount of elapsed time since at least one of a beginning of the first task or the completion of a task previous to the first task.

31. The method of claim 28, wherein the timing indicator counts down from a time corresponding to the first target threshold to indicate an amount of time remaining to complete the first task within the first target threshold.