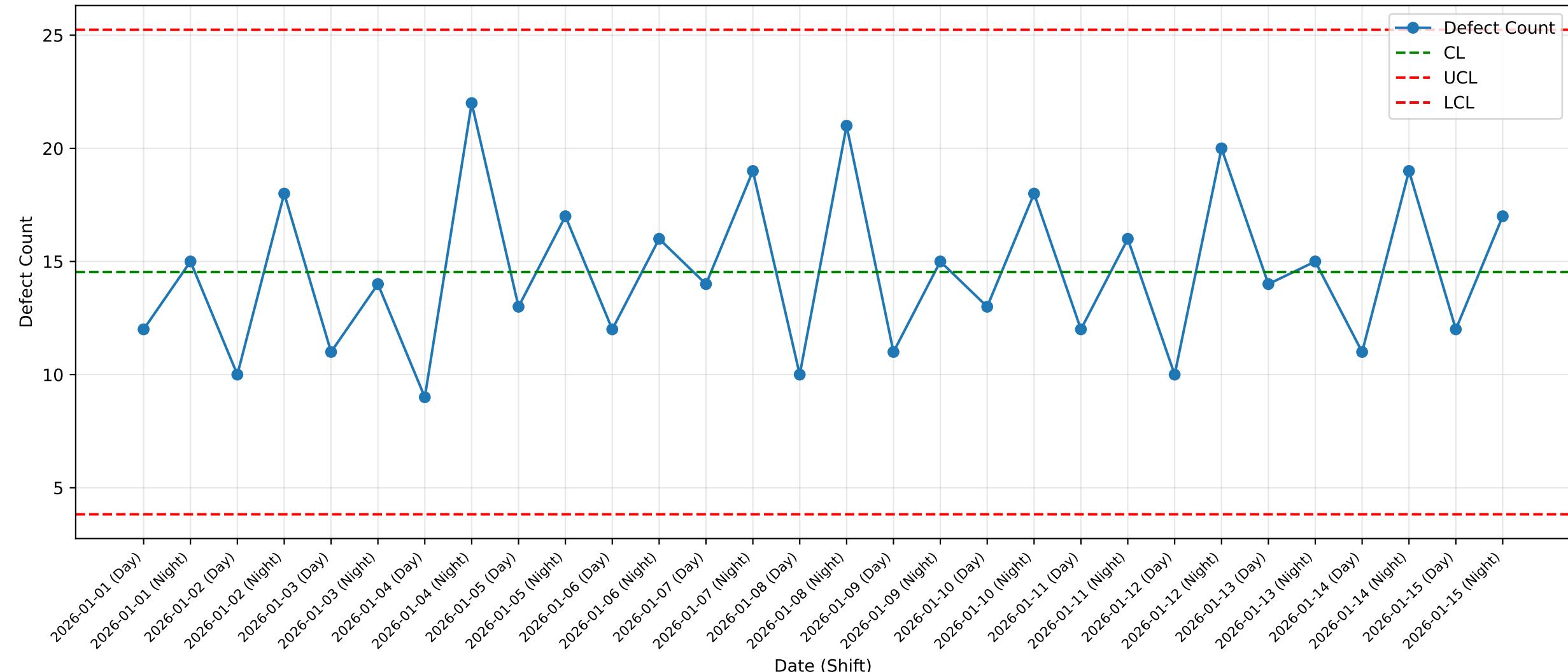


Control Chart: Defect Count Over Time



DEFECT ANALYSIS - STATISTICAL SUMMARY

OVERALL DEFECT RATE:

Observations : 30
Mean Defect Rate : 0.014512 (1.4512%)
Std Deviation : 0.003522
95% Confidence Interval: [0.013197, 0.015827]

CONTROL CHART LIMITS:

CL : 14.53
UCL : 25.24
LCL : 3.83

T-TEST (DAY vs NIGHT):

Day Mean : 0.011559
Night Mean : 0.017464
T-statistic : -8.6358
P-value : 0.000000

INTERPRETATION:

Statistically significant difference detected.
Night shift defect rate is higher by 0.5905%.

Report generated on 2026-01-29 13:39:06
