

PIPE INTEGRITY RISK ANALYSIS DASHBOARD

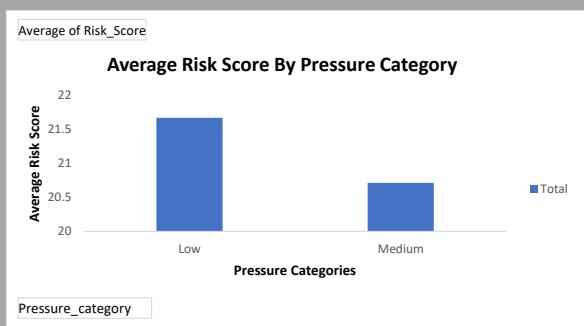
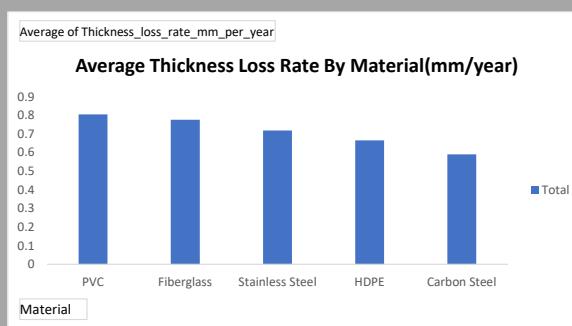
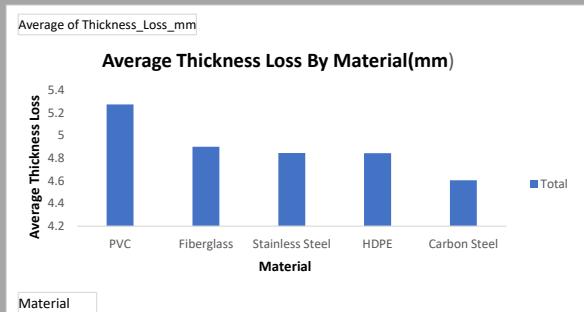
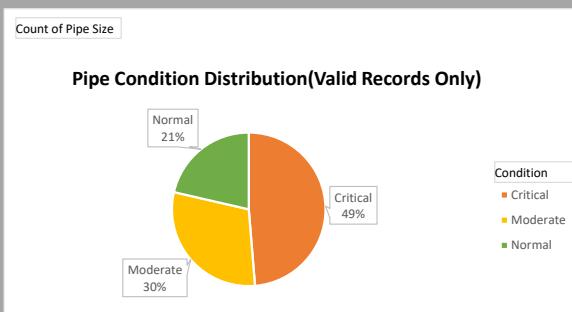
This dashboard analyzes pipeline integrity data to assess material performance, thickness degradation and overall pipe condition

*Certain materials show **faster thickness loss rate** indicating higher maintenance priority.

*Higher operating pressure is associated with higher risk scores.

*A considerable amount of pipes are not in operating conditions hence the need for maintenance.

| %Pipes In Critical Condition | Avg Thickness Loss(mm) | Avg Loss Rate(mm/year) | Highest Risk Material |
|------------------------------|------------------------|------------------------|-----------------------|
| 49% | 4.86mm | 0.71mm/year | PVC |



| Condition |
|-----------|
| Critical |
| Moderate |
| Normal |

| Grade |
|-------------------|
| API 5L X42 |
| API 5L X52 |
| API 5L X65 |
| ASTM A106 Grade B |
| ASTM A333 Grade 6 |

| Material |
|-----------------|
| Carbon Steel |
| Fiberglass |
| HDPE |
| PVC |
| Stainless Steel |