

Slope-Based Terrain Suitability Analysis

Aksa Energy Site, Ghana

Site location in Ghana



Slope Classified

- 0–5% → Suitable
- 5–10% → Acceptable
- 10–15% → Moderate Constraint

DEM Source: SRTM 30m
Projection: WGS 84 / UTM Zone 30N
Slope derived in percent rise



Majority of site falls within 0–10% slope, indicating good buildability.

Moderate slopes are concentrated along ridge lines.

Steeper zones may require cut-and-fill operations.

Site is generally suitable for low- to mid-density development.

Drainage patterns should be studied further in valley sections.

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