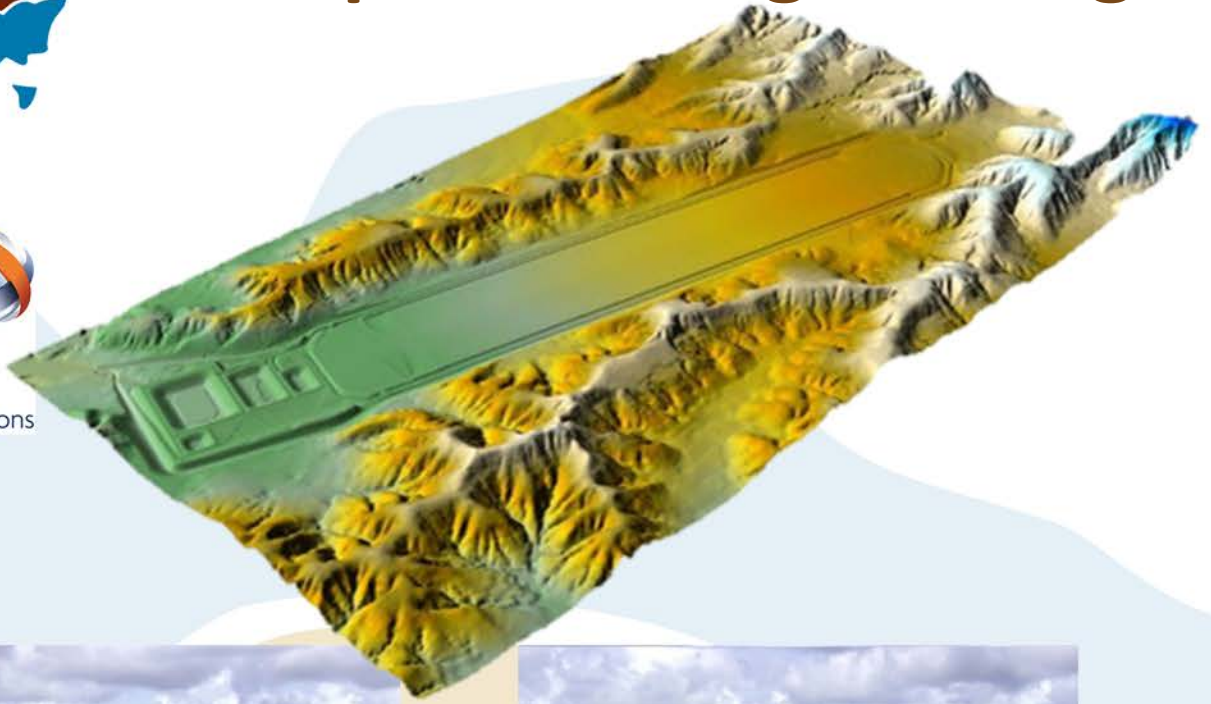




WWL
Water, Waste & Land
Consulting Engineers and Scientists

SLR
global environmental solutions

Heap Leach Engineering





Water, Waste & Land
Consulting Engineers and Scientists

Heap Leach Engineering

Water, Waste and Land, Consulting Engineers and Scientists (WWL), is a services company specialized in providing solutions for design, supervision and operation of Heap leach facilities by working in conjunction with SLR Consulting Africa Pty Ltd.

Services focused on Heap Leach design offered by WWL include:

- Geotechnical investigations
- Foundation design
- Heap stability analyses
- Closure strategies & plans
- Contract documents
- Construction management & quality assurance
- As built drawings & reports
- Due Diligence

Services retained from SLR Consulting Africa Pty Ltd are as follows:

- Pad and pond design
- Liner integrity & risk analyses
- Ore placement / stacking
- Solution modelling & management
- Water & Salt Balance
- Pad and pond sizing and staging
- Ore characterization
- Geochemistry evolution over time
- Rinsing, detoxification and drain down modeling

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