

Unlocking the Potential of AI/ML in Geothermal Applications

Adaptability and Innovation in the Era of Industry 4.0

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Why Adaptability Matters



Role of AI/ML in Industrial and Geoheat Applications







Use Case Overview – Process Performance





47Bn

datapoints

Production Data review using ML



Production rate (Jan 2013 – Jul 2023)



Production Data review using ML



Production rate (Jan 2013 – Jul 2023)



Production Data review using ML



Production rate (Jan 2013 - Jul 2023)





Democratising Insights



Democratising Insights





Democratising Insights



Platform Overview







Benefits of AI/ML in Geoheat Applications

Enhanced Monitoring

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Continuous AI monitoring detects early issues, enabling proactive maintenance

Predictive Maintenance

AI predicts failures learning from historical data, preventing costly breakdowns

Operational Efficiency

AI identifies inefficiencies and adapts operations for optimal performance

Risk Management

AI refines processes, enhancing productivity and reducing operational costs



Human Element and the Challenge of Adaptability









Eduardo Bermudez | Sr Manager Digital Advisory T: +64 21 1786079 E: <u>ed.bermudez@worley.com</u>

worley.com



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