



3DEXPERIENCE®

UNLOCKING VALUE WITH THE 3DEXPERIENCE PLATFORM

Unlocking value across the mine lifecycle

DS DASSAULT
SYSTEMES | The 3DEXPERIENCE® Company



THE 3DEXPERIENCE PLATFORM

The platform powers multiple Brands to drive transformation across the Mining, Metals & Minerals segments

Brands



Industries

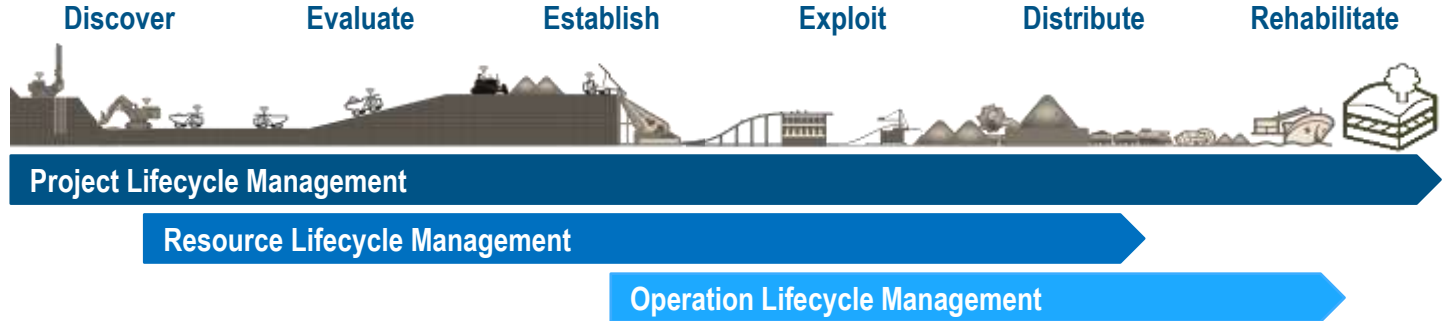


OUR PORTFOLIO

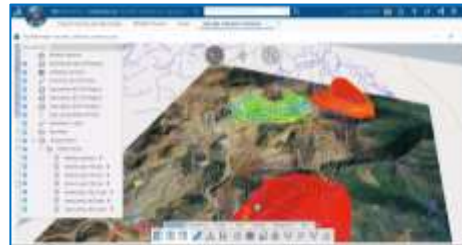
Our portfolio spans the entire mining value-chain, allowing to connect interdependent processes



Mine Lifecycle Management



Industry Process Experiences



MINING CAPABILITIES

Cross-Brands innovative solutions enable mining organizations to unlock sustainable value

Unified Data Referential



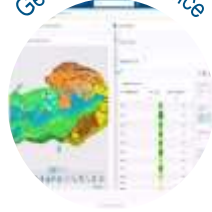
Asset Lifecycle Management



Projects Governance



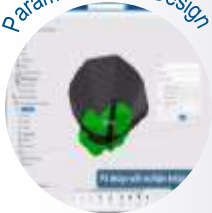
Geology Intelligence



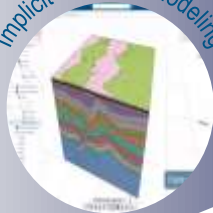
Exploration Intelligence



Parametric Mine Design



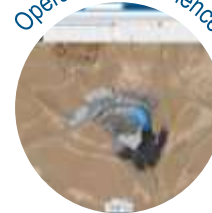
Implicit Geology Modeling



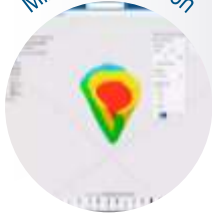
Production Intelligence



Operations Experience



Mine Optimization



Geotechnical Simulation



Design of Experiments



Work Management



Immersive Visualization



RESOURCE LIFECYCLE MANAGEMENT - VALUE PROPOSITION

Overview of the expected business outcomes



Streamline modeling processes

- Automate data collection & interpretation
- Manage data and model lifecycle
- Capture enterprise knowledge & know-how



Increase planning confidence

- Standardize stringent data validation rules
- Simulate **'what-if' scenarios**
- Incorporate resource risk factors



Maximize shareholders value

- Mitigate market & operational volatility
- Optimize return on LOM design & production
- Adopt KPI-driven planning

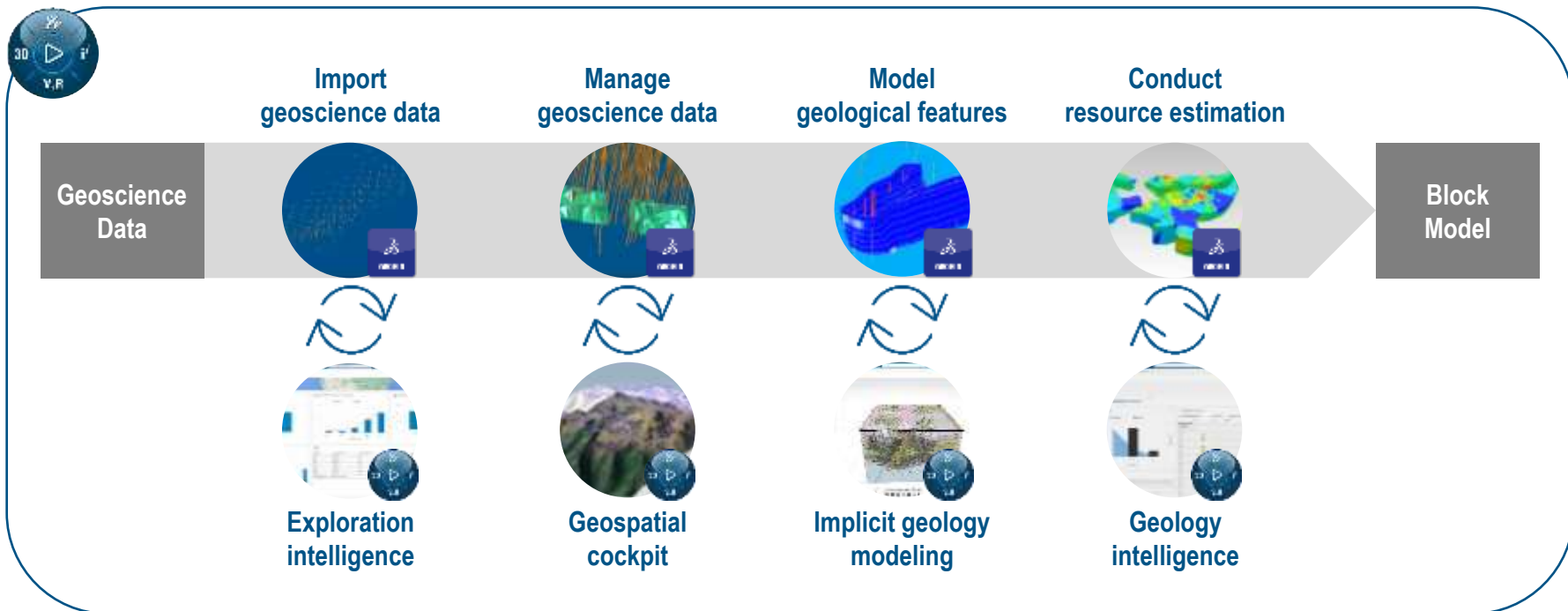


Increase mine sustainability

- Prioritize safety standards in design
- Minimize environmental footprint
- Plan upfront for sustainable closure

RESOURCE PORTFOLIO EVALUATION & MODELING

Overview of the business process



EXPLORATION INTELLIGENCE

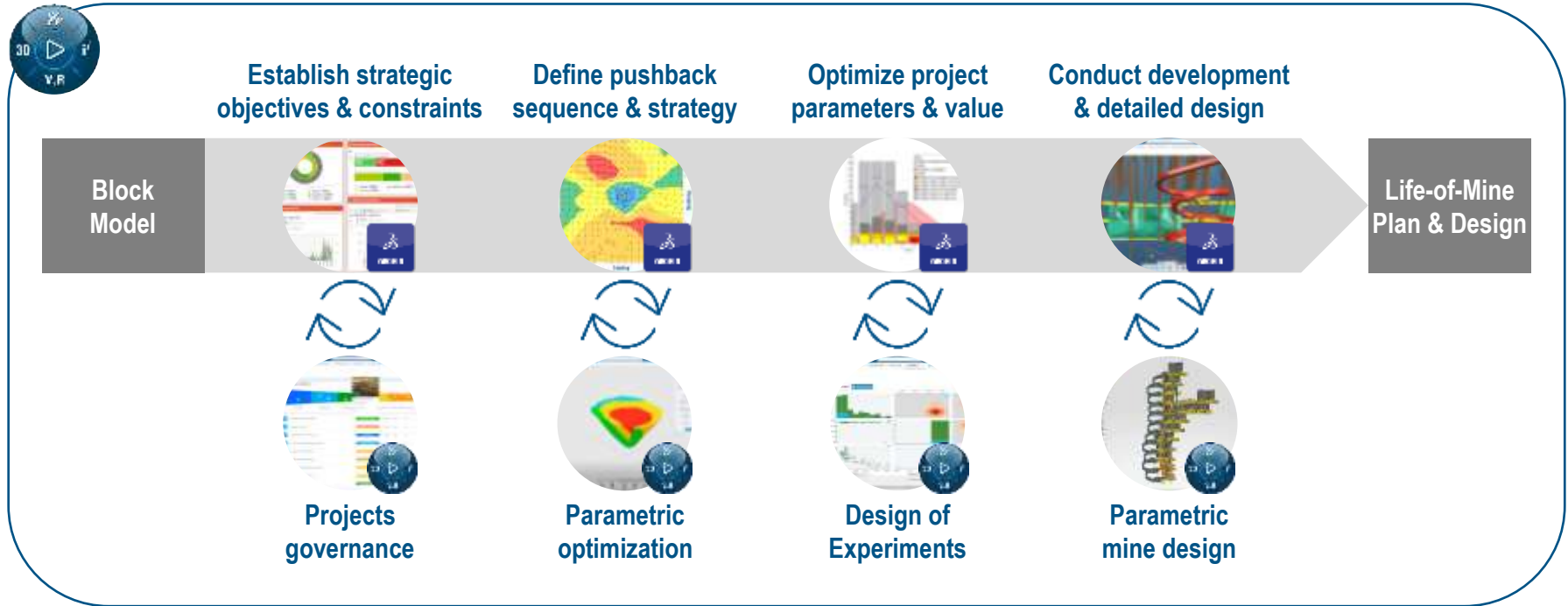
Active filters: Site Name: Vjoro Campaign Status: in progress



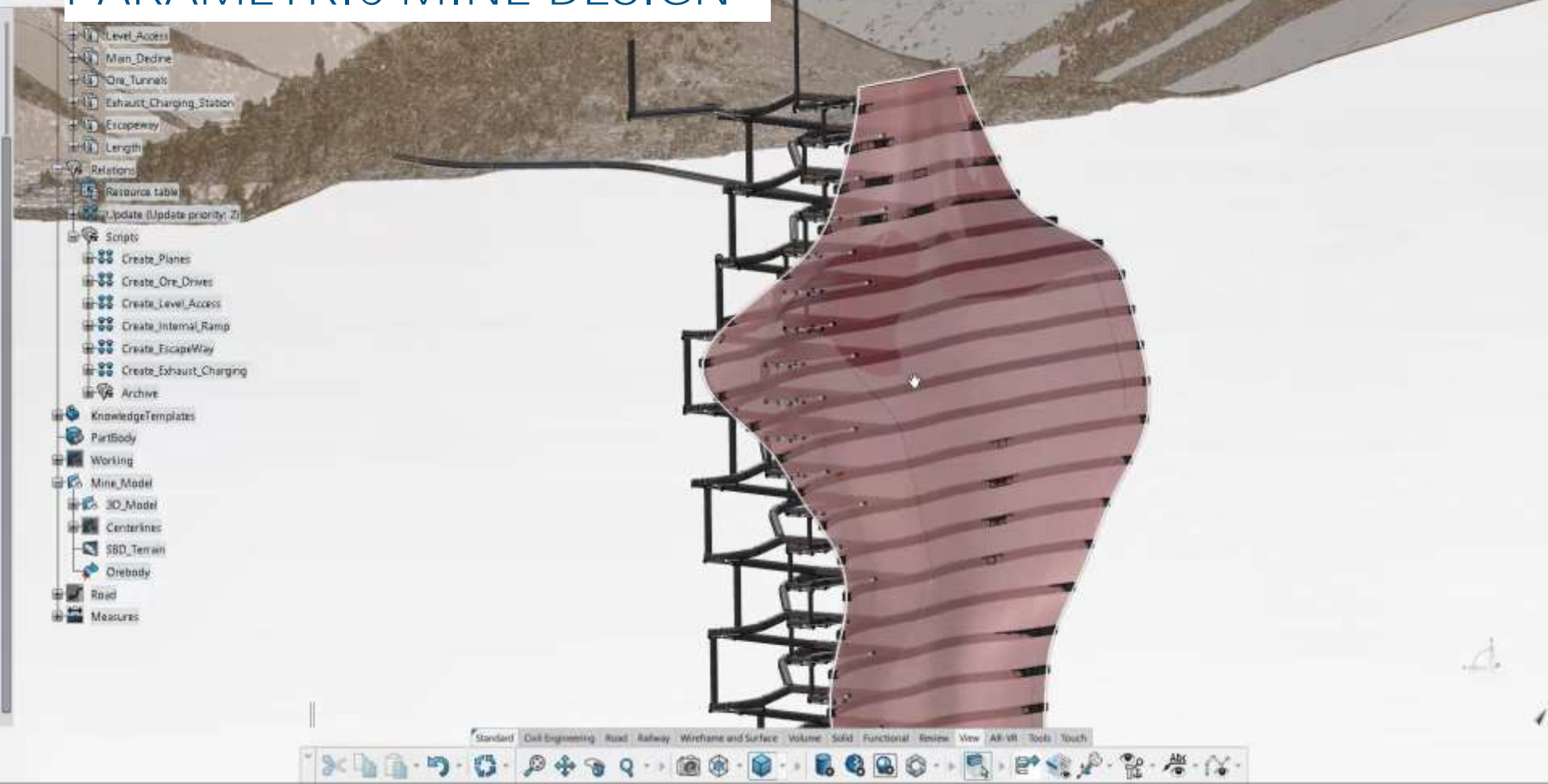
Drill down into the campaign planning details

STRATEGIC MINE PLANNING & DESIGN

Overview of the business process



PARAMETRIC MINE DESIGN



OPERATION LIFECYCLE MANAGEMENT - VALUE PROPOSITION

Overview of the expected business outcomes



Improve business visibility

- Monitor production targets in real-time
- Propagate disruptions for re-planning
- Simulate in 4D to optimize decision-making



Achieve strategic targets

- Deliver tactical schedule based on LOM plan
- Align mining & processing capacities
- Optimize rolling material inventory levels



Reduce production costs

- Optimize mine extraction sequence
- Maximize processing productivity
- **Simulate** 'what-if' scenarios

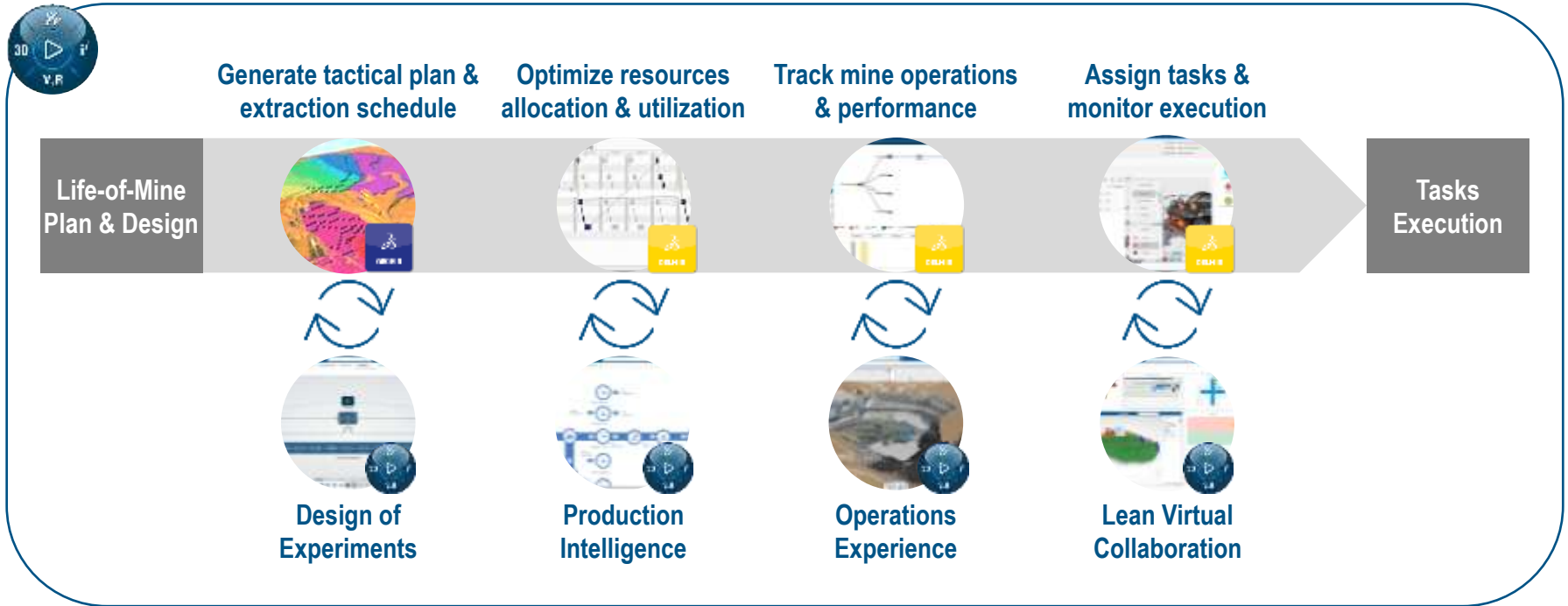


Increase plan quality

- Optimize critical operational constraints
- Mitigate supply-chain bottlenecks
- Dynamically adjust for deviations from plans

MINE PRODUCTION & DISTRIBUTION SCHEDULING

Overview of the business process



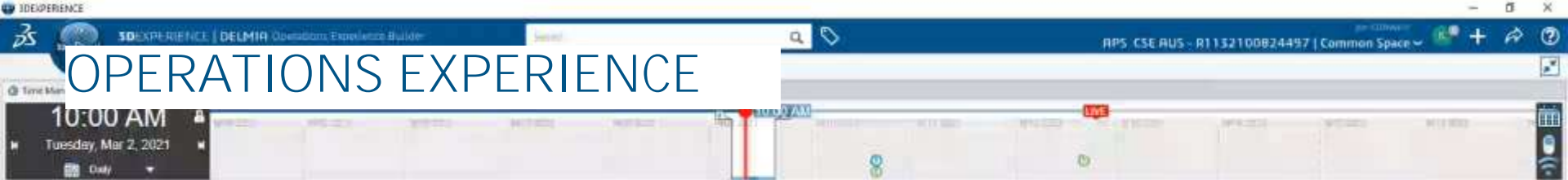
IDEAL EXPERIENCE | BELMIA Quantum Experience Builder

APPS CSE AUS - R1 | S2100B24497 | Common Space

OPERATIONS EXPERIENCE

10:00 AM
Tuesday, Mar 2, 2021

10:00 AM LIVE

The screenshot shows a software interface with a blue header bar containing the text "IDEAL EXPERIENCE | BELMIA Quantum Experience Builder" and "APPS CSE AUS - R1 | S2100B24497 | Common Space". A large white box with the text "OPERATIONS EXPERIENCE" is overlaid on the top left. Below the header is a timeline with a "10:00 AM" label and a "LIVE" indicator. The main area of the interface displays a 3D terrain model of a brown, hilly landscape. On the left side of the terrain, there are three white wind turbine icons. In the center of the terrain, there is a grey, circular structure that looks like a building or a platform. The interface also includes a search bar and various navigation icons.

