

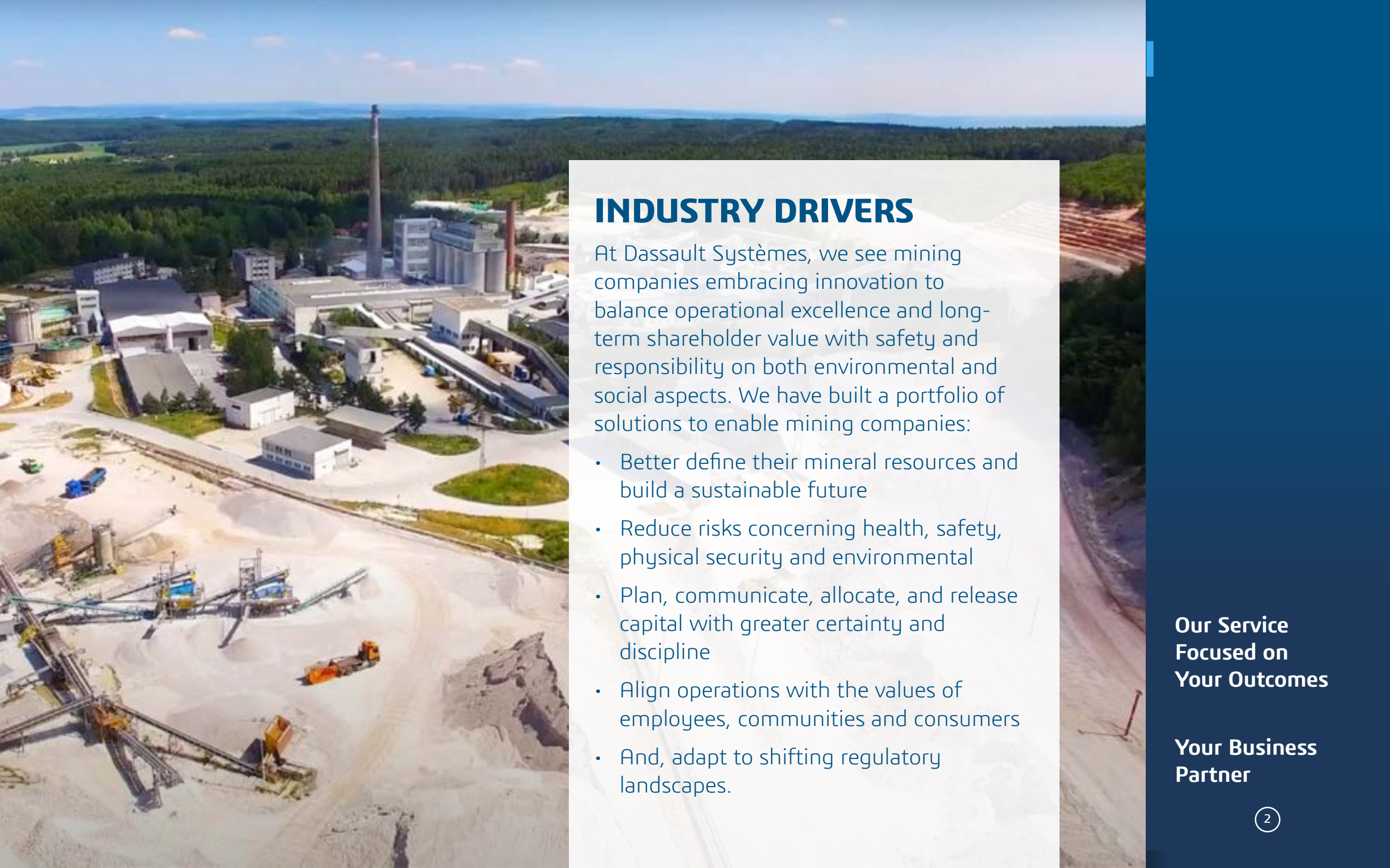
DASSAULT SYSTÈMES

MINING PORTFOLIO



Our Service
Focused on
Your Outcomes

Your Business
Partner



INDUSTRY DRIVERS

At Dassault Systèmes, we see mining companies embracing innovation to balance operational excellence and long-term shareholder value with safety and responsibility on both environmental and social aspects. We have built a portfolio of solutions to enable mining companies:

- Better define their mineral resources and build a sustainable future
- Reduce risks concerning health, safety, physical security and environmental
- Plan, communicate, allocate, and release capital with greater certainty and discipline
- Align operations with the values of employees, communities and consumers
- And, adapt to shifting regulatory landscapes.

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THE 3DEXPERIENCE® PLATFORM

The **3DEXPERIENCE**® platform provides the capabilities to build a twin of your entire mining operation where you can design, model, simulate, optimize and predict in the virtual world, and then schedule and execute in the real world.

It bridges the real and virtual worlds to improve understanding, enable innovation, and deliver better outcomes.

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THE PILLARS OF DASSAULT SYSTÈMES' MINING PORTFOLIO

HERE ARE THE THREE MAIN PILLARS
OF OUR MINING PORTFOLIO:

1. CAPITAL FACILITIES AND PROJECT LIFECYCLE MANAGEMENT

Covers the lifecycle of physical assets including processing plants and mobile equipment fleets. Our solutions can capture these assets in virtual 3D models, and plan and simulate maintenance activities before the work is done in the real world. They drive faster project delivery and reduced risks.

2. RESOURCES LIFECYCLE MANAGEMENT

Captures orebody knowledge and enabling through-life governance over the geological asset from exploration to planning and design. It is here that Dassault Systèmes can help unlock double-digit increases in Net Present Value, and make mining projects more robust and achievable.

3. OPERATIONS LIFECYCLE MANAGEMENT

Addresses and optimizes the scheduling and the execution of mining activities, transportation of ore product, and sales and demand forecasting to fulfill orders to end customers. This enables significant increase of Overall Equipment Effectiveness and production output.

**We also have two additional pillars; for electromechanical equipment and for solid energy systems.*

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FEATURED MINING SOLUTIONS

WITHIN OUR SOLUTIONS PORTFOLIO FOR MINING, YOU HAVE ACCESS TO MANY TRANSFORMATIVE NEW WAYS OF WORKING. HERE ARE A FEW OF THEM:

1. STRATEGIC GEOLOGY MODELING

Helps geologists improve the efficiency and quality of the Geological Modeling lifecycle. With the governance and collaboration it provides for all stakeholders, timeliness and accuracy is assured.

2. STRATEGIC RESOURCE MODELING

Ensures best practices and company compliance in the resource estimation process, offering a best-in class orebody virtual twin that enables you to manage, visualize, simulate, analyse and optimize data with fully integrated, real-time geological data.

3. STRATEGIC MINE PLANNING

Enables you to model, schedule and evaluate open pit, underground and caving projects. With its fully governed and collaborative process, users can simulate thousands of schedule and project configurations to deliver an optimized strategic mine plan and increased overall project value while also being robust to hold up to changing market conditions.

4. CAPITAL FACILITIES INFORMATION EXCELLENCE

Companies can trace the complete history of their operations and manage the full lifecycle of built assets from design, construction, operation and maintenance and decommissioning.

5. TACTICAL MINE PLANNING

Allows for the development of automated and optimized schedules for open pit, underground or caving projects in order to improve the productivity and profitability of them, guiding execution assignments and optimally responses to predicted or actual events as they occur.

6. OPERATIONAL MINE PLANNING AND OPERATIONAL MINE SCHEDULING

A single integrated system to efficiently plan and schedule mine operations for mid to short interval control.

7. MINE EXECUTION

Provides end-to-end decision support and production management across the entire mining value chain.

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VALUE FOR MINING COMPANIES

WITH DASSAULT SYSTÈMES SOLUTIONS YOU WILL:

- Create models built on accurate, auditable and secure data.
- Generate robust, reliable plans using the right input data
- Constantly chase value by bringing people and data together in a contextualized environment in a timely manner.
- Reduce unpredictability by simulating before build for informed decision-making
- Support and engage employees, suppliers, communities and customers in a single, unified environment
- Collaborate across disciplines, locations, and organization, for the life of your operation.

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OUR SERVICE FOCUSED ON YOUR OUTCOMES

Dassault Systèmes recognizes that taking the time to implement mining software solutions and re-train employees is not compliant with fast-paced business schedules and more immediate priorities. The constant pressure to find short-term solutions can delay Digital Transformation projects with long-term benefits.

In response, Dassault Systèmes has developed an Outcome-Based Services approach where our mining experts use our solutions to design the best pit, optimize production, de-risk operations and deliver the best results for your projects. Our turn-key solution secures short-term deliverables and benefits and allows your organization to save costs.

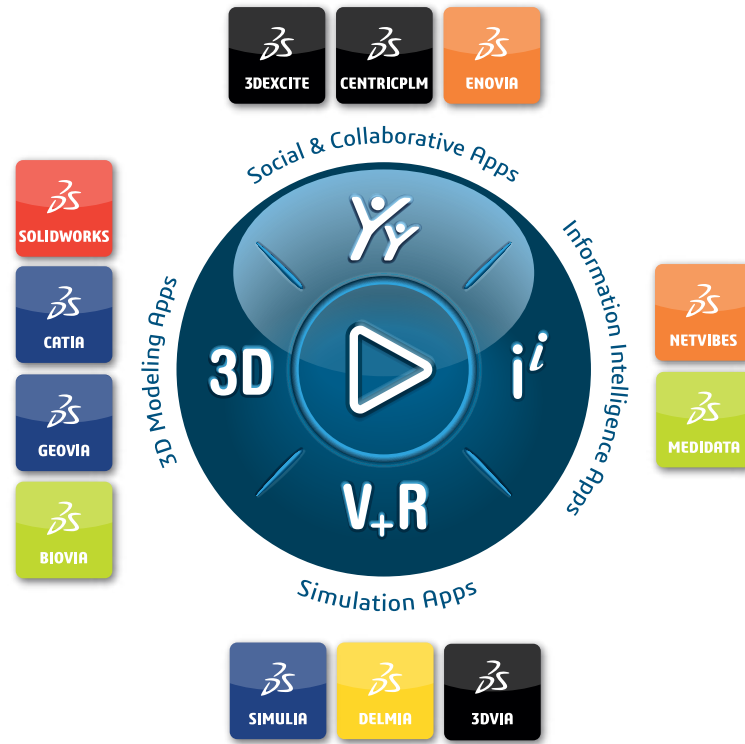
Dassault Systèmes' Outcome-Based Services include advanced Generative Design, creation of Virtual Twin Experiences, simulations and optimizations, the proposition of "what if" scenarios for your team's consideration, and the integration of technologies such as Data Analytics, Virtual Reality or Augmented Reality.

YOUR BUSINESS PARTNER

When you choose a Dassault Systèmes solution, you are choosing a business partner who will work with you each step of the way to help you realize your business transformation goals.

Ask us how you can begin your journey to a more sustainable and profitable mining business.

<https://ifwe.3ds.com/energy-materials>



Our 3DEXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE® Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our 3DEXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production. *Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com

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