

Interim Operations

- Ramp-Up and Early Operations Team
- Operations Management
- Recruiting & Training
- Continuous optimization applying Six Sigma

Engineering: Design to Process

- Process Design
- Interface Risk Assessment & Mitigation
- Basic Engineering
- Standard Operation Procedures
- Entire Plant Functionality Analysis
- Gap Analysis of Plant Design
- Process Simulation & Material Balance
- Process Flow Diagrams (PFDs)
- Automation Design
- Raw Materials & Utility Requirements
- Alternative Process Evaluation
- Technology Roadmapping

Know-How Transfer

- Trainings on Technology, Equipment & Processes
- Continuous Process Optimization based on Lean Six Sigma
- Learning Curve Advancements
- Quality Management

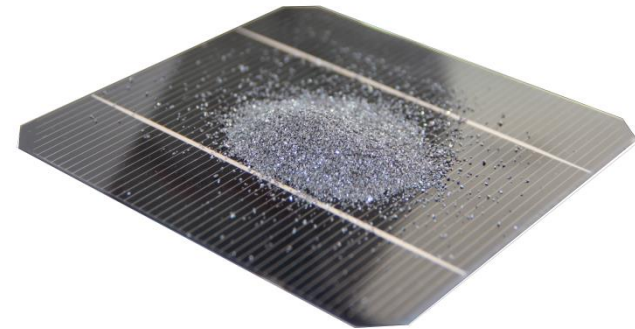
360° intelligent approach

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Building
Silicon & PV industries
worldwide





Viridis.iQ GmbH is a German engineering, technology & strategy advisory firm with unique technical and business expertise on each step of the photovoltaic value chain:

- metallurgical silicon
- polysilicon
- ingot & wafering
- solar cells & modules
- thin film technologies

Reference projects are focused on manufacturing and cover the complete industrial life-cycle including early stage planning, engineering, ramp-up & operation as well as re-engineering & process optimization and re-design of existing manufacturing capacities.

An international and inter-disciplinary team comprised of high-caliber and well-known industry experts that deliver state-of-the-art solutions to improve plant operator competitiveness.

Providing your project team with a holistic view based on operations, technology & commercial industry expertise:

- Industry development for silicon & PV
- Interim management & engineering services
- Project management & owner representation
- Operations & ramp-up teams
- Know-how transfer & training
- Manufacturing solutions & technology development
- Process development & optimization
- Customized strategies based on in-house market intelligence
- Investor due diligence based on proprietary integrated cost & financial models
- Flexible on-demand capacities for project peaks and various business development activities

Executable strategies with hands-on implementation mentality and measurable bottom-line impacts!

Industrial Development

- Capital Provider Due Diligence
- Feasibility Studies
- Investor Roadshows
- Investor Acquisition
- Strategy workshops

Owner Representative & Project Management

- Equipment selection, tender design, evaluations & audits
- Due Diligence for Green- & Brown-field Plants
- Assessment of Mid- to Long-Term Viability of Design Concept
- Operations & Project Risk Management
- Conceptual & Technical Engineering

