

INDUSTRIAL AUTOMATION

ABB Mining Care

Service agreements built with care



ABB Mining Care

The global standardized service agreement framework that helps our customers







Cut complexity

Less time wasted. Fewer hassles.
Simplified service interaction.
Services performed safely and efficiently with one point of contact from the start through the duration of the contract.

Control cost

experience every time.

More predictability. Fewer surprises. Consistent service delivery. Structured approach with fixed annual pricing, so customers have a consistent

Maximize capital

ABB equipment. Your equipment.
Customized service alignment.
Issues detected early enough to take action, and improvements implemented that avoid problems and sustain gains.

1. We start with your assets so we're on the same page

Drawing from our installation database, ensuring revision levels and performing a health check if desired

Control Systems	Conveyor Systems	Drives and Motors
Gearless Mill Drive Systems	High-Pressure Grinding Rolls Drive System	Electrical Substations
Mine Hoists	Ring-Geared Mill Drive System	Robots

2. We work with you to understand your needs

If you need	Timely local and remote support?	Added asset and process support?	Improved and updated skills?	New features and functions?	Parts and repair availability?
	High asset utilization?	Lower production costs?	Longer asset lifecycle?	Higher production?	High asset and process reliability?
Then you should consider	Rapid response services	Inspection and diagnostics	Training or Resident Engineer	Life cycle assessment	Parts Fingerprint and Repair services
	Performance	Collaborative	Lifecycle Management	Operational excellence	Predictive Maintenance

3. Together, we determine the care package that meets your needs

Starting with a LifeCycle Assessment, if desired

1. Rapid Response



Copper mine in Brazil

Needed guaranteed response time for corrective maintenance, access to technical support and recommended spare parts.



We meet that need with RAPID RESPONSE

Guaranteed fast and flexible service response to maximize equipment availability.

Customer Benefit: Higher availability

Equipment covered: ABB 800xA Control System and

ABB Production Management software

Services include: 4 hours Mobilization, 24/7 Technical Support

and Recommended Spares

2. Lifecycle Management



Copper mine in Chile

Needed a reliable partner for long-term service activities to improve and optimize asset life cycles.



We meet that need with LIFECYCLE MANAGEMENT

Provides powerful tools and our knowledge base to optimize and extend equipment life.

Customer Benefit: Better asset performance

Equipment covered: 1 SAG Mill Gearless Mill Drive System and

2 Ball Mill Gearless Mill Drive Systems

Services include: 24/7 Technical Support, Preventive Maintenance, Remote Troubleshooting and Spare Parts Kit

3. Performance Improvement



Zinc and copper mine in Sweden

Needed higher cyber security, improved control performance and remote equipment monitoring.



We meet that need with

PERFORMANCE IMPROVEMENT

Increased productivity through usability and efficiency optimization of equipment and processes.

Customer Benefit: More quality production

Equipment covered: ABB 800xA Control System, ABB Drives, ABB Electrical Products, ABB Mine Hoists and ABB Motors

Services include: ABB Ability™ Performance Optimization for control systems-800xA and Security Updates for ABB

Distributed Control Systems

4. Operational Excellence



Mining and mineral processor in Sweden

Needed a higher level of automation to improve efficiency and integrate all critical functions, such as crushers, conveyor belts, skip loading, concentrator and pumping stations.



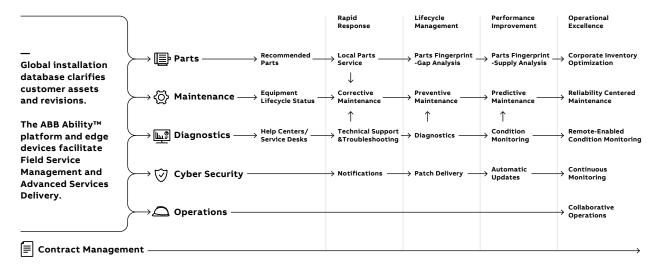
We meet that need with OPERATIONAL EXCELLENCE

Collaboratively manages your assets, operations, and risk to deliver strategic business results.

Customer Benefit: Improved operations

Equipment covered: ABB Distributed Control Systems, ABB Drives, ABB High-voltage Transformers and ABB Mine Hoists **Services include:** ABB Ability™ Performance Optimization for control systems- 800xA ABB SmartVentilation and ABB Ability™ Performance Optimization for hoists

4. We apply expert people, processes and tools to perform services



5. Let's get started, choose the options that optimize your agreement

x - Included o - Optional	Shaded = standard on every agreement	Rapid Response	Lifecycle Management	Performance Improvement	Operational Excellence
Contract Management		х	х	х	х
Equipment Lifecycle Status		х	x	x	x
Recommended Parts		x	x	x	x
Help Center / Service Desk		х	х	х	х
Technical Support		х	х	x	x
Remote Troubleshooting		0	0	0	0
Corrective Maintenance		х	х	х	х
Spare Parts		х	х	х	х
Life Cycle Assesments			х	x	x
Preventive Maintenance			х	x	x
Parts Fingerprint - Gap Analy	rsis		х	х	х
Performance Optimization for	or Control Systems			X On-Site	X Remote-enabled
Performance Optimization for	or Control Loops			X On-Site	X Remote-enabled
Cyber Security for Control Sy	rstems			X On-Site	X Remote-enabled
AssetVista Condition Monitoring				X On-Site	X Remote-enabled
Hoist Performance Fingerpri	nt ¹			X On-Site	
Performance Optimization for Hoists ¹					X Remote-enabled
Conveyor Finger print ²				x	
ConveyorFit ²				x	X Remote-enabled
Conveyor Roller Inspection Services ²				x	X Remote-enabled
24/7 Supportline and trouble Corrective Maintenance Serv		х	х	х	X Remote-enabled
Preventive Maintenance Serv Periodic maintenance reports			X	x	X Remote-enabled
Predictive Maintenance Servi Online Fault Prediction and n					X Remote-enabled
Parts Fingerprint - Supply An	alysis	0	0	х	х
Training		0	0	0	0
Engineering & Consulting		0	0	0	0
Electrical System Study		0	0	0	0
Resident Engineer		0	0	0	0

¹ Underground Mining ² Material Handling ³ Grinding

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