



Environmental Sustainability Assessment

Measure performance indicators and mitigate risk to raise the organization's environmental profile

Leading global organizations are realizing the strategic value of environmental sustainability and the social responsibility to conserve resources and reduce waste generation. The ARCHIBUS Environmental Sustainability Assessment application delivers an objective methodology for creating a balance between people, infrastructure, facilities and their effect on the environment. It helps identify which assets should be repaired, renovated, or replaced to achieve environmental efficiency goals or support other program objectives. Organizations can now establish proactive processes that are both environmentally and economically defensible.

Activities and Reports include:

Assessment Project Statistics by:

- Organizational Priority
- Region
- Site
- Building
- Floor
- Room
- Equipment

Deficiencies by:

- Recommended Action
- Sustainability Rating
- Total Estimated Cost to Correct

Plus:

- Unsuitable Assessment Items Budget by Priority
- Assessments with Active Work

Benefits

- Identifies which assets should be repaired, renovated, or replaced to achieve environmental efficiency goals or support an existing LEED™ program
- Provides ability to assign budgetary values to improve overall facilities and infrastructure sustainability
- Helps establish proactive sustainability processes that can improve operational efficiencies, enhance stakeholder perception, and boost asset values
- Leverages existing information residing in the ARCHIBUS repository to reduce data collection costs

Fleet Assessment Project
Records for Activity Project Name: ASSESSMENT-HQ-17-QTR2

Log Number: 65
Description: Truck Exhaust Leakage
Sustainability Priority: Emission
Site Code: MARKET
Equipment Code: FLEET
Problem Location: Exhaust System
Recommended Action: Replace
Assessed By: Rob Johnson
Date Assessed: 10/06/2007
Date Verified: 10/08/2007

Status: Cost - Estimated (Expense): \$2,70
Assigned To: Jim A
Approved By: Jack
Date Scheduled: 10/12
Date Started: 10/12
Date To Review: 10/24

ARCHIBUS

Project(s)	ENV-SUST-ASSESS-1ST-ANNUAL	Unsatisfactory	Poor	Fair	Good	Very Good	Not Entered
Energy Use	Estimated Budget (\$)	0	0	2	14000	0	0
	# of Items	0	0	0	0	0	0
Emission	Estimated Budget (\$)	0	0	0	0	0	0
	# of Items	0	0	0	0	0	0
Solid Waste	Estimated Budget (\$)	0	0	0	0	0	0
	# of Items	5	0	0	0	0	0
Hazardous Waste	Estimated Budget (\$)	0	0	0	0	0	0
	# of Items	2	0	0	0	0	0
Chemicals	Estimated Budget (\$)	200	650	0	0	0	0
	# of Items	1	3	0	0	0	0
Water-Save	Estimated Budget (\$)	0	0	0	0	0	0
	# of Items	0	0	0	0	0	0
Indoor Air Qual	Estimated Budget (\$)	0	0	0	0	0	0
	# of Items	0	0	0	0	0	0
Recyclables	Estimated Budget (\$)	0	0	0	0	0	0
	# of Items	0	0	0	0	0	0
Nat. Resource	Estimated Budget (\$)	0	0	0	0	0	0
	# of Items	0	0	0	0	0	0
Maintain	Estimated Budget (\$)	0	0	0	0	0	0
	# of Items	0	0	0	0	0	0
Not Entered	Estimated Budget (\$)	0	0	0	0	0	0
	# of Items	0	0	0	0	0	0

Assign sustainability ratings from the field, easily identify high-priority items, monitor conditions over time, and drill down for detailed reports



Prioritize Corrective Actions

The ARCHIBUS Environmental Sustainability Assessment application lets you assign each asset a numerical condition rating (based on predefined criteria) and a weighted multiplier (based on organizational priorities). When presented in the Assessment Scoreboard, you can quickly determine how an asset rates in areas such as energy consumption, water use, solid waste reduction, indoor air quality, and more. This lets you objectively identify the most urgent situations.

- Improve information consistency by providing standard assessment guidelines across the organization
- View consolidated data on all projects, groups of projects, or functional area projects
- See at a glance which areas of your facilities or infrastructure require immediate attention

Easily Identify Areas for Improvement

The application enables you to demonstrate the positive effects that environmentally-friendly equipment and processes have on your organization. The application lets you benchmark your consumption, for example, against ideal levels, and take the steps necessary to replace or improve the performance of inefficient assets. The application also allows you to associate capital and expenses with correcting deficiencies.

- Prepare budgets for capital renewal, repair, and preventive maintenance
- Compare results from different time periods to determine a facility's or organization's improvement
- Increase asset values by maintaining attractive, environmentally-sound facilities and infrastructure

Establish Proactive Processes

Increasing sustainability ratings across your organization may translate into increased operational efficiencies. For example, an initiative to reduce solid waste may lead to more paperless processes. Having sustainability data lets you manage proactively to hold down costs. Track the environmental impact of your assets throughout their lifecycles, from acquisition to use to disposal, and better exercise social responsibility.

- Translate the idea of sustainability into practical actions and daily decision-making
- Link organizational sustainability efforts at local, national, and international levels
- Present complete, defensible sustainability findings to other decision-makers or opinion leaders

Reuse Data to Increase Knowledge

Leverage the information already maintained in ARCHIBUS to reduce subsequent data collection costs. Over time, you can add details on these assets' conditions according to your organization's criteria. Assessment reports can be generated at a local or global level to gauge your environmental performance and help identify strategies to improve.

- Reduce data collection and analysis costs by applying assessment criteria to existing ARCHIBUS asset data
- Easily import and export asset data and assessment values via Windows mobile devices or tablet PCs
- Re-use environmental sustainability data to support your organization's LEED program

TEAMS: Environmental Management and Compliance

To address more complex needs, Web-based ARCHIBUS TEAMS (Total Environmental Asset Management System) provides a complete management and compliance solution. The TEAMS modules listed below can supplement an existing ARCHIBUS deployment or can be implemented individually on a stand-alone basis.

	Compliance & Financial Management	- Consolidate EHS Programs - Track, Liability Permits & Plans
	Environmental Monitoring	- Compare Data to Standards - Plot and Review Trends
	Environmental, Health & Safety	- Incident Reporting & Tracking - Identify Problems by Location
	Clean Building	- Locate Hazardous Materials - Manage Abatement/Renovation
	Green Building	- LEED Project Scoring & Tracking - Evaluate Best Practices; Calculate Savings
	MSDS Management	- Maintain MSDS Inventory - Facilitate Annual Reporting
	Waste Management	- Track Storage by Profile/Location - Manage Emissions, Discharges, Shipments

For more information, visit archibus.com/esa or visit asc-teams.com

