

PROJECT

Prasat Phnom Bakheng
Angkor, Cambodia

CLIENTS

World Monuments Fund
New York, New York
www.wmf.org

Integrated Conservation
Resources, Inc.
New York, New York



The temple of Phnom Bakheng, Cambodia

PROJECT DESCRIPTION

Constructed in 910 AD during the reign of Yashovarman I, the temple of Phnom Bakheng established Angkor as the center of Khmer culture for the next 500 years. Phnom Bakheng is unique among the temples at Angkor as its foundation was carved from the bedrock of a small hill rising out of the otherwise flat flood plain. Each of the 5 main platform levels were formed by carving the bedrock back to take the shape of the traditional mountain temple. In 2004 the World Monuments Fund, in cooperation with the local APSARA Authority, embarked on a program to stabilize the structures on site, which include 60 stone shrines, 48 brick shrines, 2 libraries, and over 1 km of stone platform walls facing the underlying bedrock. Work was conducted under the direction of the World Monuments Fund and Integrated Conservation Resources.

SERVICES PROVIDED BY ATKINSON-NOLAND

- On site evaluation of the stone and brick structures, including damage mapping, foundation evaluation, and structural stability.
- Risk analysis of structures throughout the site and prioritization of repair tasks.
- Design of emergency stabilization measures.



Stone and brick shrines were suffering from over 1000 years of material deterioration, moisture penetration, and foundation movement



Atkinson-Noland & Associates
Consulting Engineers
www.ana-usa.com

2619 Spruce Street
Boulder, CO 80302
303.444.3620

32 Old Slip, 10th Floor
New York, NY 10005
917.647.9530