



MARK MILEVSKI, BSc

Co-director - Stone Initiatives

Laboratory Technical Manager

Consulting Heritage Services | Dimension Stone Specialist

ASTM C18 Committee Member

A geomaterials scientist with a special interest in heritage conservation; education background in geology, geophysics and earth sciences; a skilled materials testing specialist with experience across a range of prominent architectural projects.

contact.

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professional profile.

Mark Milevski is a geomaterials scientist with a strong focus on heritage conservation, drawing on his background in geology, geophysics and earth sciences. Holding a Bachelor of Science from the University of Adelaide and a Certificate II in Construction, he is an experienced materials-testing specialist who has contributed to numerous prominent architectural and heritage projects. Mark has been with Stone Initiatives since 2014, and enjoys being a part of “breathing new life” into heritage buildings so that they can have a second chance. Outside of work, Mark can usually be found exploring the outdoors, pursuing one of his many hobbies, or enjoying time with his young family.

professional certifications.

CERTIFICATE II IN CONSTRUCTION (WHITE CARD)

2017

THE ART OF INTERNAL AUDITING (NATA)

2024

education.

BACHELOR OF SCIENCE

THE UNIVERSITY OF ADELAIDE

2012 - 2015

SPECIALISATION:

Geology, Geophysics, and Applied Geology
Environmental & Earth Sciences

languages.

English (*first language*)
Russian (*working proficient*)

Find Mark on...



affiliations.

ASTM INTERNATIONAL | PARTICIPATING MEMBER | C18 (DIMENSION STONE) COMMITTEE

Active review, technical appraisal and voting member, contributing to the development and refinement of international standards for testing of natural stone.

industry experience.

STONE INITIATIVES PTY LTD

2025 - current

Co-Director - Laboratory Technical Manager

2014 - 2025

Materials Testing Specialist – Heritage Services

Responsibilities:

- Performing physical material testing to ISO/IEC 17025 quality requirements.
 - Specialised testing and consulting in heritage projects.
 - Providing guidance to laboratory personnel in areas of special interest.
 - Specialised testing across a range of facade/ engineering projects.
 - Project management, including task delegation, material testing and comprehensive reporting.
 - Consulting with clients and providing detailed explanation of test results.
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industry publications & technical articles.

“RISING DAMP AND SALT ATTACK: EFFECTS AND SOLUTIONS”

STONE INITIATIVES, 2023.

“HOW HAS HERITAGE CONSERVATION EVOLVED?”

STONE INITIATIVES, 2023

consultancy highlights.

NATIONAL WAR MEMORIAL – HERITAGE WORKS

Adelaide, SA, 2025

Project description: Investigation into various items of the masonry elements – to assist in updating CMP.

Responsibilities: Stone identification and replacement recommendations, mortar compositional analysis, efflorescence analysis and identification, cleaning trials and advice on suitable cleaning methodology.

MONUMENT CONSERVATION – WEST TERRACE CEMETERY

Adelaide, SA, 2025

Project description: Cleaning trials and general masonry conservation.

Responsibilities: Stone identification and replacement recommendations, mortar compositional analysis, cleaning trials and advice on suitable cleaning methodology.

ANGLESEA BARRACKS HOBART – HERITAGE WORKS

Hobart, TAS, 2025

Project description: Investigation into moisture related issues on the structure.

Responsibilities: Detailed moisture surveys, masonry salt content testing, mortar compositional analysis, efflorescence analysis and identification, general heritage structure related consulting.



ROCKHAMPTON CUSTOMS HOUSE – HERITAGE WORKS

Rockhampton, QLD, 2025

Project description: Investigation into moisture related issues on the structure.

Responsibilities: Detailed moisture surveys, masonry salt content testing, mortar compositional analysis, efflorescence analysis and identification, general heritage structure related consulting.



VICTORIA BARRACKS – HERITAGE WORKS

Brisbane, QLD, 2025 - 2026

Project description: Restoration and maintenance works of historic buildings within the barracks.

Responsibilities: Mortar compositional analysis, masonry salt content testing for desalination works.

ADELAIDE TOWN HALL – HERITAGE WORKS

Adelaide, SA, 2024

Project description: Restoration and maintenance works of Adelaide's historic town hall.

Responsibilities: Mortar compositional analysis, masonry salt content testing for desalination works, stone replacement recommendations and heritage consulting.

ONE CIRCULAR QUAY

Sydney, NSW, 2024

Project description: New construction luxury residential luxury apartment building overlooking Circular Quay

Responsibilities: Extensive suite of physical testing of the proposed sandstone including testing and comparison of various stone anchor systems proposed for use on the project.

CURRENCY CREEK RAILWAY BRIDGE

Currency Creek, SA, 2023

Project description: Heritage restoration and maintenance works on the historic SteamRanger Railway line.

Responsibilities: Stone identification and replacement recommendations, mortar compositional analysis, cleaning methodology development, internal pier structure investigation and heritage consulting.



ADELAIDE PARLIAMENT HOUSE – CLEANING AND RESTORATION

Adelaide, SA, 2023-2025

Project description: Facade cleaning and heritage restoration works.

Responsibilities: Mortar compositional analysis, cleaning methodology development, stone repair recommendations and heritage consulting.

CAPE MORETON LIGHTHOUSE – HERITAGE WORKS

Moreton Island, QLD, 2023

Project description: Restoration and maintenance works of a historic lighthouse.

Responsibilities: Moisture and salt surveys, mortar compositional analysis, stone repair/replacement recommendations and heritage consulting.



CAPE NORTHUMBERLAND LIGHTHOUSE – HERITAGE WORKS

Port MacDonnell, SA, 2023

Project description: Restoration and maintenance works of a historic lighthouse.

Responsibilities: Moisture survey, salt survey, mortar compositional analysis, stone repair/ replacement recommendations and heritage consulting.

ALTHORPE ISLAND LIGHTHOUSE – HERITAGE WORKS

Althorpe Island, SA, 2023

Project description: Restoration and maintenance works of a historic lighthouse.

Responsibilities: Moisture survey, salt survey, mortar compositional analysis, stone replacement recommendations and heritage consulting.

OLD STOCK EXCHANGE BUILDING (SCIENCE EXCHANGE)

Adelaide, SA, 2023

Project description: Investigation into basement damp issues in preparation for restoration.

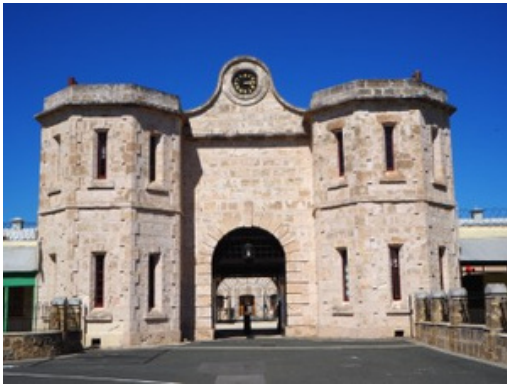
Responsibilities: Moisture survey, salt survey, mortar compositional analysis, stormwater discharge mapping and heritage consulting.

FREMANTLE PRISON – SIGNIFICANT PRISON CELL MURALS

Fremantle, WA, 2023

Project description: Conservation of significant murals within Fremantle Prison.

Responsibilities: Moisture survey, salt survey, mortar compositional analysis and heritage consulting.



ANGAS FLOUR MILL – STRATHALBYN SOUTH AUSTRALIA

Strathalbyn, SA, 2022

Project description: Restoration and redevelopment of a historic flour mill.

Responsibilities: Moisture survey, salt survey, mortar compositional analysis, stone replacement recommendations and heritage consulting.

WEST TERRACE CEMETERY – SIGNIFICANT HERITAGE MONUMENTS

Adelaide, SA, 2022

Project description: Cleaning of monuments with significant heritage value.

Responsibilities: Cleaning method trials to develop a suitable cleaning method for sensitive features.

ST JAMES CHURCH

Brighton, VIC, 2020–2022

Project description: Restoration of heritage Catholic church.

Responsibilities: Mortar compositional analysis and heritage consulting.

PORT PIRIE FORMER RAILWAY STATION, CUSTOMS HOUSE AND WATCH HOUSE

Port Pirie, SA, 2022

Project description: Salt damp survey.

Responsibilities: Moisture survey of external walls and heritage consulting.

GLENELG TOWN HALL

Glenelg, SA, 2021–2022

Project description: Restoration of the hall.

Responsibilities: Investigation into recent repair failure, moisture and condition survey, and heritage consulting.

MOONTA MINES NATIONAL HERITAGE PROJECT

Moonta, SA, 2021–2022

Project description: Restoration of heritage copper mine site and associated ruins.

Responsibilities: Mortar compositional analysis and heritage consulting.



OSBORNE NAVAL SHIPBUILDING PRECINCT

Port Adelaide, SA, 2018–2021

Project description: Construction site for new naval shipbuilding precinct.

Responsibilities: Slip resistance testing of concrete surface finishes.

KING WILLIAM STREET RAMP; NORTH TERRACE SLATE PEDESTRIAN PAVING

Adelaide, SA, 2020

Project description: Installed Mintaro slate pavers along pedestrian walkways of King William Street and North Terrace in the Adelaide CBD.

Responsibilities: Overseeing condition survey of installed pavers.

SHRINE OF REMEMBRANCE

Melbourne, Vic, 2020

Project description: Restoration and maintenance.

Responsibilities: Mortar compositional analysis and heritage consulting.

SOUTH AUSTRALIAN MARITIME MUSEUM

Port Adelaide, SA, 2020

Project description: Investigation into damp issues in wooden floorboards.

Responsibilities: Overseeing investigation and survey of damp in timber flooring.

ADELAIDE SUPREME COURT

Adelaide, SA, 2020

Project description: Cleaning trials on sensitive sandstone ashlar.

Responsibilities: Overseeing cleaning trials and investigating effect on masonry.

SMYTH CHAPEL

Adelaide, SA, 2018–2020

Project description: Restoration of the Smyth Chapel located in the West Terrace Cemetery.

Responsibilities: Assisting in the analysis of all masonry elements (stone, paving and mortar), surveying the masonry walls for moisture and salts. Investigation into replacement stone for gargoyles reproduction.



KING WILLIAM STREET AND NORTH TERRACE RE-GROUTING PROJECT

Adelaide, SA, 2020

Project description: Survey and record discontinuities in the condition of the existing Mintaro Slate paving.

Responsibilities: Assisting in the development and execution of a survey of each individual Mintaro Slate paver on King William Street and North Terrace (approx. 8,500 square meters of paving).

GAWLER PLACE UPGRADE

Adelaide, SA, 2019

Project description: Granite and concrete pavers of various formats installed in Gawler Place shared pedestrian/vehicular trafficked areas.

Responsibilities: Overseeing condition survey of installed pavers.

ADELAIDE FESTIVAL SQUARE UPGRADE

Adelaide, SA, 2019

Project description: Various natural stone paver types installed in public areas of the new Adelaide Festival Square development.

Responsibilities: Evaluation of various stone types proposed for use as pavers. Overseeing testing of stone finishes.

OLD ADELAIDE GAOL REMAND WING

Adelaide, SA, 2018

Project description: Restoration and maintenance of the historic remand wing.

Responsibilities: Moisture survey, salt distribution survey, mortar compositional analysis and heritage consulting.

SOUTH AUSTRALIAN STATE HERBARIUM

Adelaide, SA, 2018

Project description: Investigation into rising damp issues within the lower levels of the State Herbarium.

Responsibilities: Moisture survey, salt distribution survey, paint analysis and concrete analysis.

MARBLE HILL REDEVELOPMENT

Adelaide, SA, 2014–2018

Project description: Rebuilding and restoration of the Marble Hill Manor ruins.

Responsibilities: Assisting in the development and installation of RMV pins to allow long-term monitoring of moisture levels within the masonry.



FLINDERS MEDICAL CENTRE CARPARK

Adelaide, SA, 2017–2018

Project description: Construction of a new carpark at Flinders Medical Centre.

Responsibilities: Assessing slip resistance of surface finishes within the carpark and assisting in the selection of remediation surface finishes in problem areas.

AYERS HOUSE

Adelaide, SA, 2016

Project description: Investigation into internal and external damp related issues.

Responsibilities: Moisture survey, salt distribution survey and mortar composition analysis.

KAPUNDA MINE

Kapunda, SA, 2017

Project description: Restoration of heritage copper mine site and associated ruins.

Responsibilities: Stone, sand and mortar analysis, and heritage consulting.



SUPREME COURT BUILDING

Canberra, ACT, 2016

Project description: Survey of marble panel external cladding.

Responsibilities: Assisting in the survey of the external marble cladding and determining the extent of warping and distribution of de-bonded panels.

WARDERS COTTAGES FREMANTLE

Fremantle, WA, 2016

Project description: Heritage restoration of the historical Fremantle Prison Warders' Cottages.

Responsibilities: Assisting in the survey of salt damp and decay within the internal walls, sampling masonry to determine salt content, development of a remediation plan.



ELIZABETH QUAY DEVELOPMENT

Elizabeth Quay, WA, 2015

Project description: Various natural stone paver types installed in public areas of the new Elizabeth Quay development.

Responsibilities: Evaluation of various stone types proposed for use as pavers. Overseeing testing of stone finishes.

AUSTRAL BLACK QUARRY – GECA CERTIFICATION

Black Hill, SA, 2014

Project description: Melocco Stone became the first company to achieve GECA (Good Environmental Choice Australia) certification for the hard surfacing standard.

Responsibilities: Assisting Melocco Stone in document and test certificate preparation to achieve and Australia first GECA certification on South Australian Austral Black Granite.