

QAIT'BAY CITADEL (1477-1479): VISUALIZING THE MAIN COASTAL FORTIFICATION OF MEDIEVAL ALEXANDRIA, EGYPT



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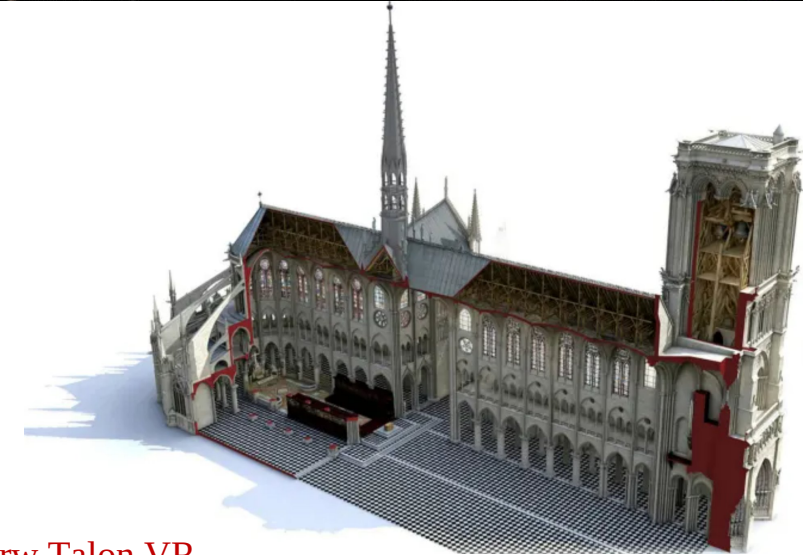
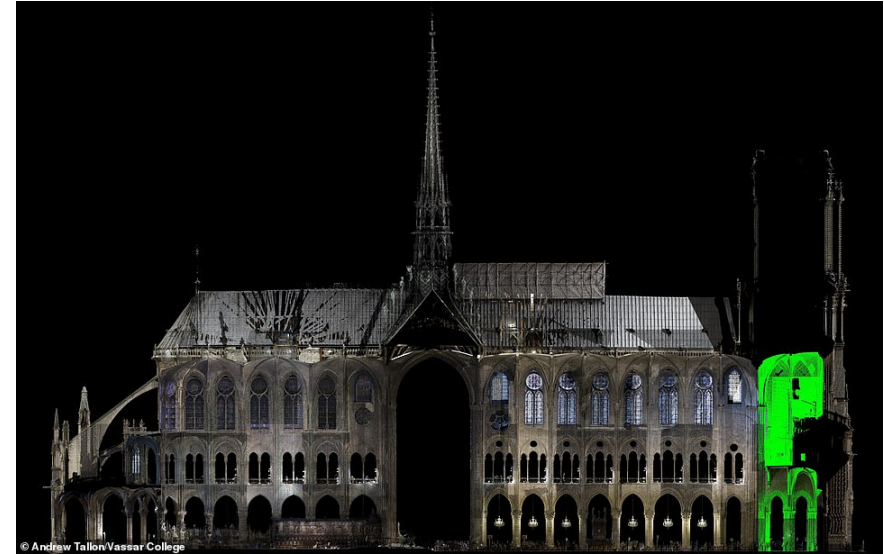
MONA GAMAL

“ARC DAYS 2021, JULY 30-31”

Motivation of Digital Humanities



Notre-Dame de Paris Cathedral (1163) fire on April 15, 2019
(Credit: Fabien Barrau / AFP)



Anderw Talon VR
contribution

Qait'bay Citadel:
outstanding coastal fortification

Cultural Heritage Value



Ptolemy II Philadelphus
(283-246 BCE)



Pharos Lighthouse
(280 BCE)

Location

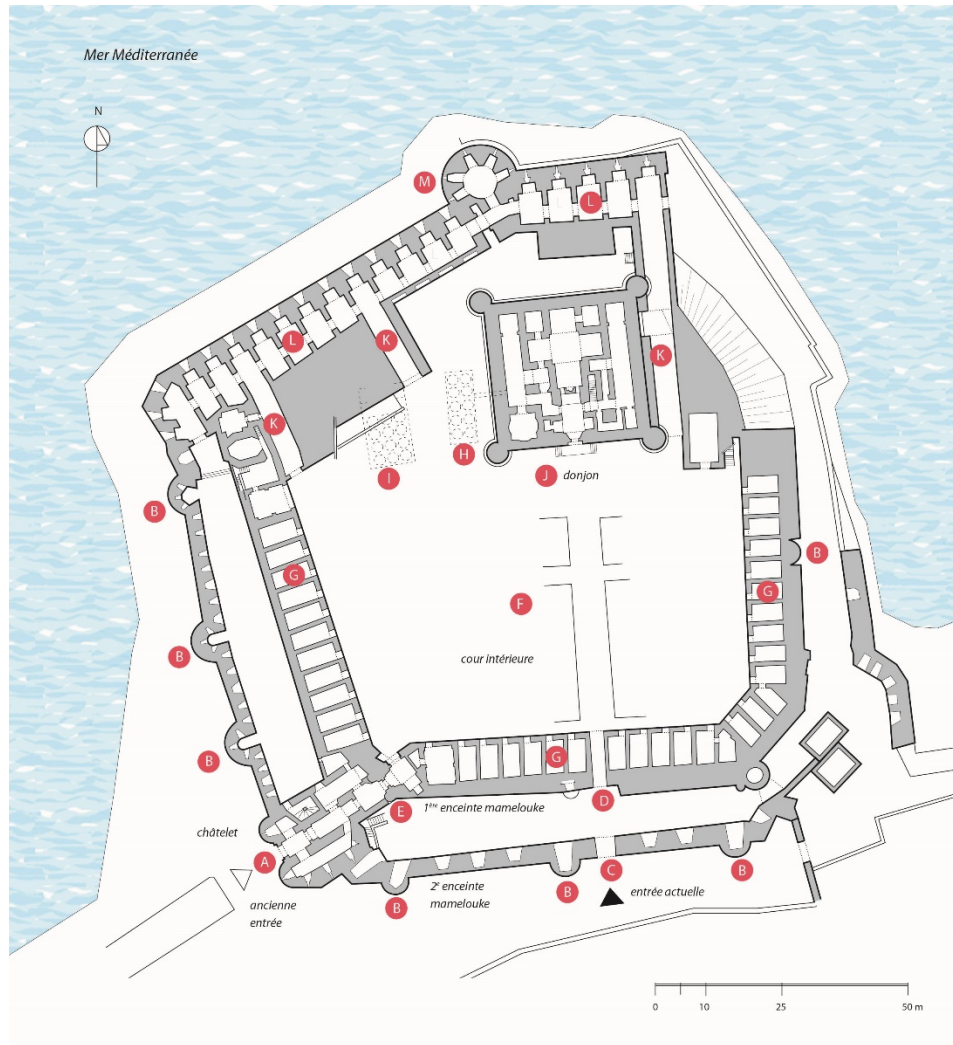


Sultan Qait'bay
(1468-1496 BCE)

Qait'bay Citadel
(882 AH /1477 CE)

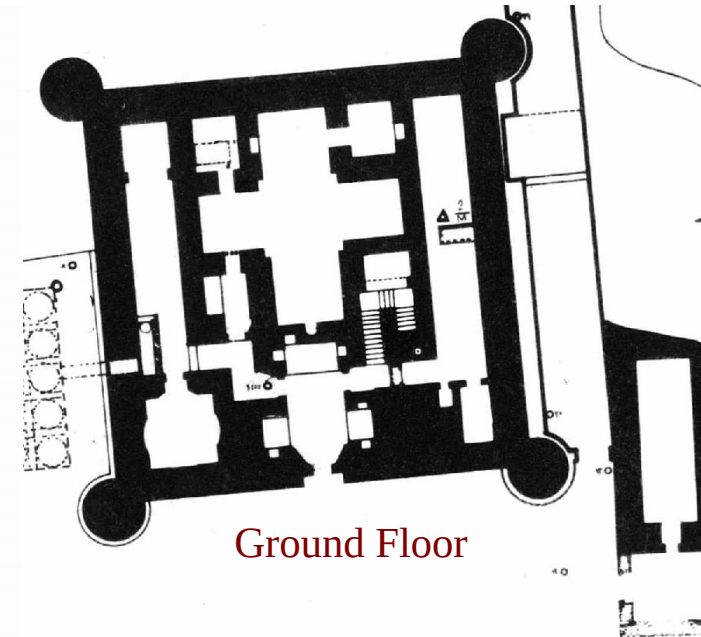


Architectural Design

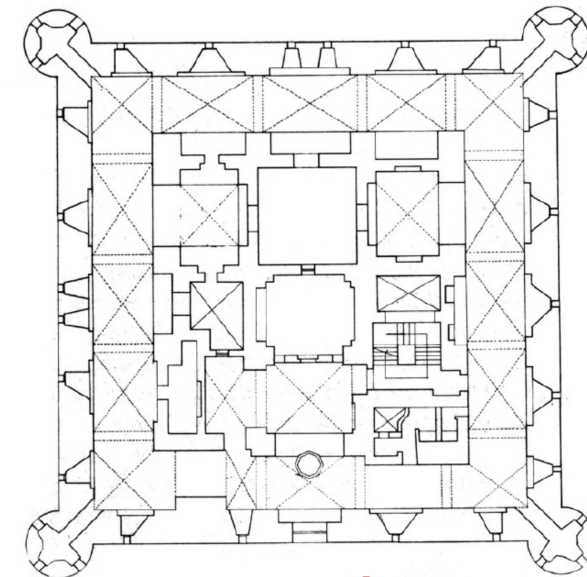


Layout

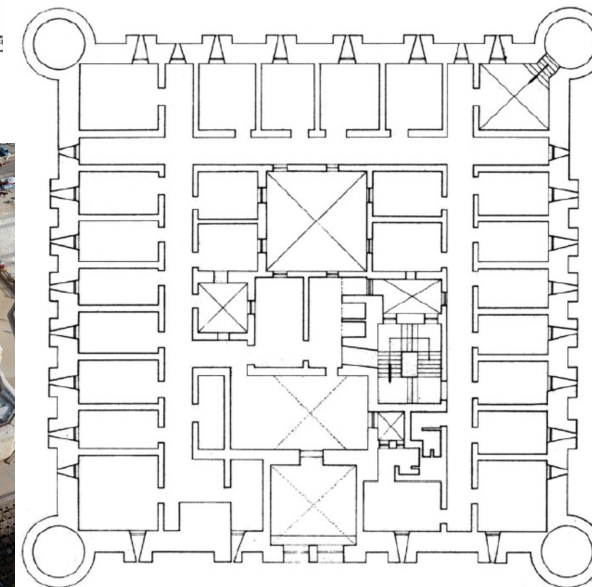
Source: Kahrin Machineck, Das Fort Qaitbay in Alexandria



Ground Floor



First Floor



Second Floor

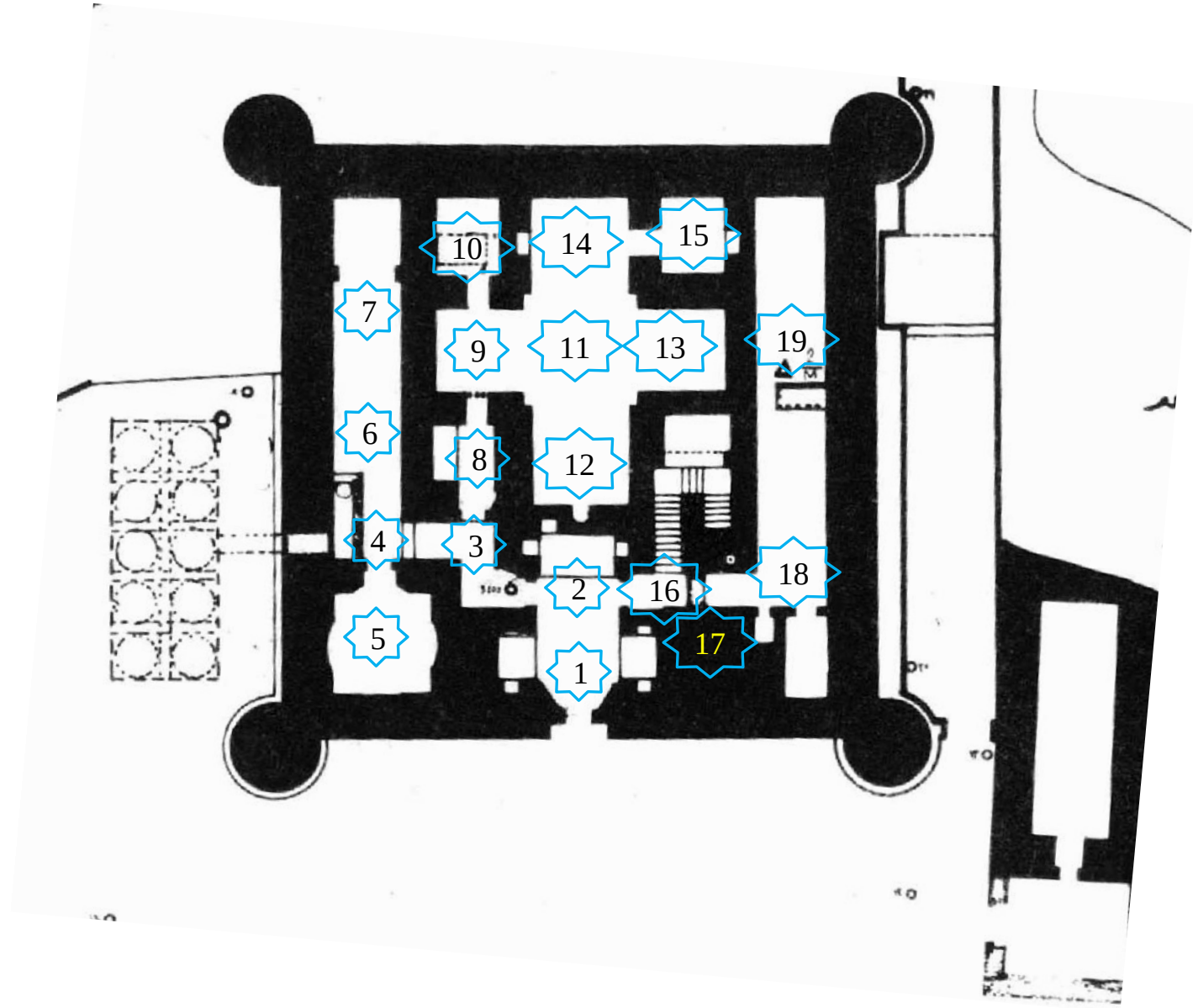
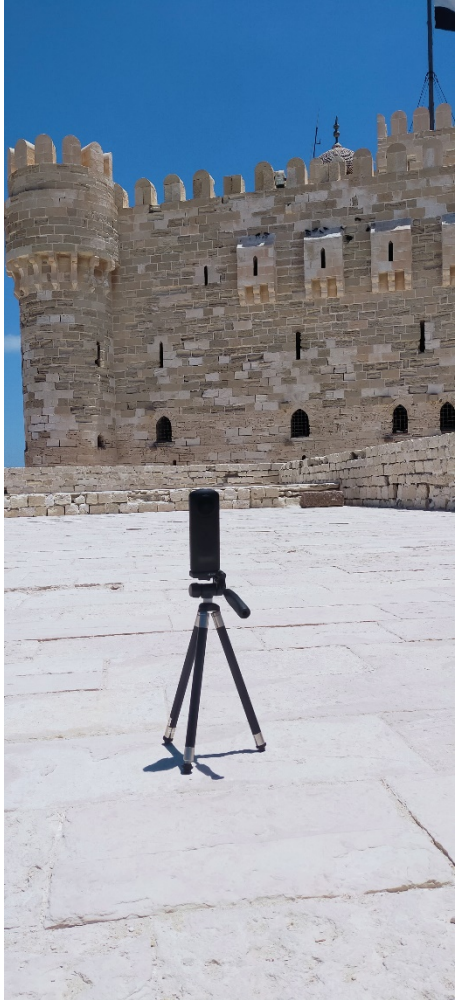
Légende

- A = portail du châtelet
- B = tours de flanquement
- C = porte moderne
- D = inscription d'el Ghoury
- E = portail initial
- F = place d'armes
- G = casernes
- H = citerne 1
- I = citerne 2
- J = donjon
- K = descenderie des casernes
- L = casernes
- M = tour d'artillerie

Fort Qaitbay - Donjon
DAO K. Machinek, 2009
© archives CEALex

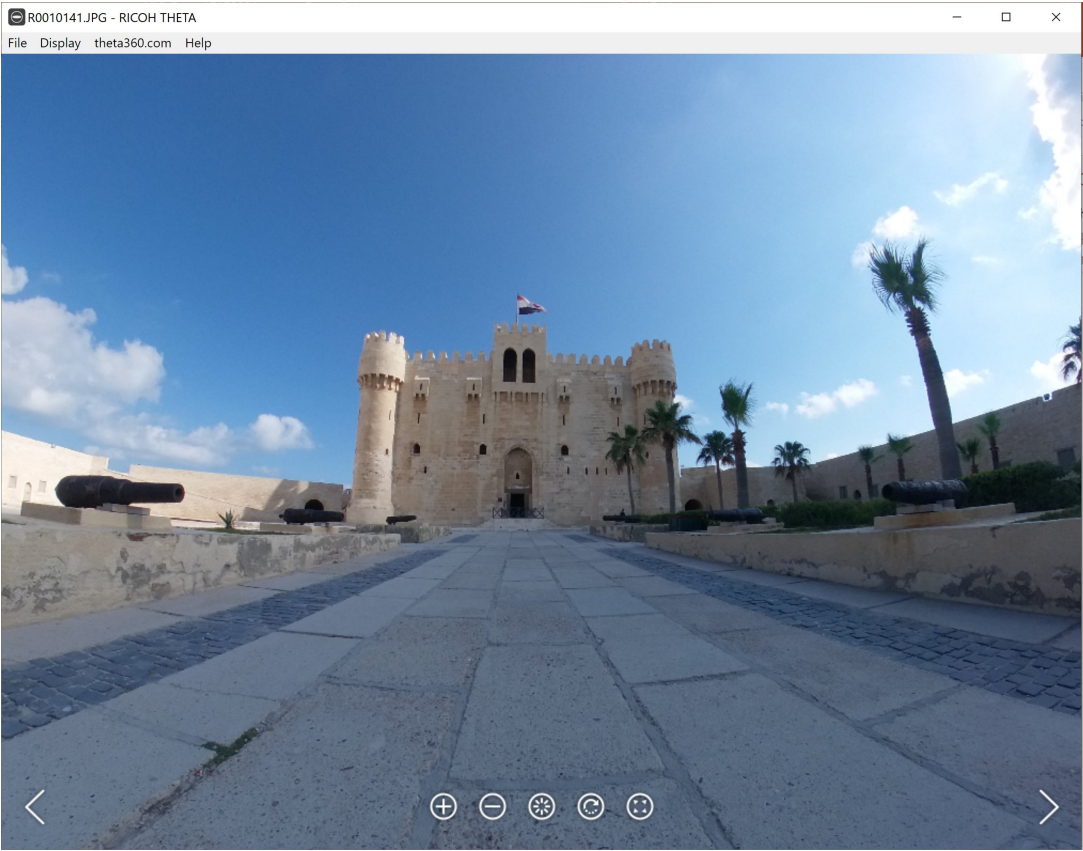
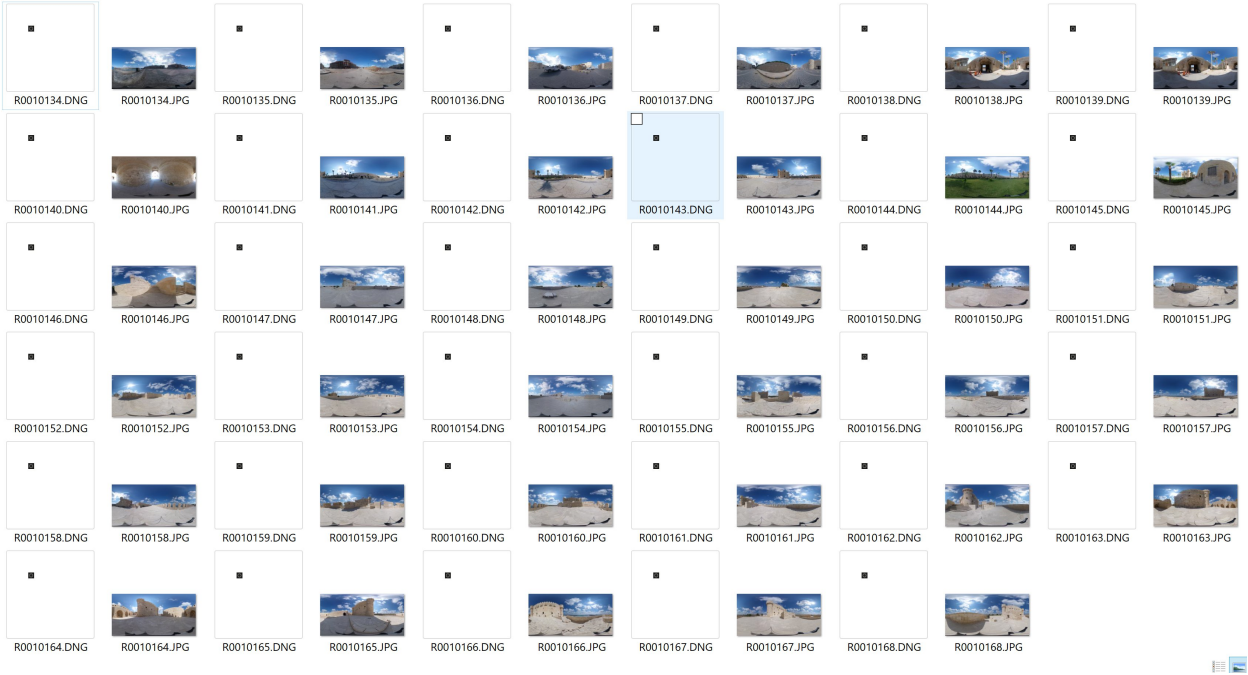
Fieldwork and Data Acquisition

FIELDWORK AND DATA ACQUISITION



Fieldwork in Qait'bay Citadel (June, 2021)

FIELDWORK AND DATA ACQUISITION



Navigation using RICOH-THETA app

Serial No	Space	Shots range	Shots Counting
1	Ground floor	50-76	27
2	1 st floor	77-93	17
3	2 nd floor	94-109	16
4	Passage	110-133	34
5	Walls, gates & courtyard	134-168	25
Total	Collected data classified 168 (DNG)		119 (DNG)

Thanks for *Attention*