

## Survey of the state of conservation of the built heritage of Luanda - Angola, from 1960-70's

### Summary

The main objective of this thesis was to study the development of a methodology to obtain an evaluation index of the state of conservation of a large set of representing buildings in the city of Luanda, in the years that corresponded to the largest outbreak of development of the Portuguese province (60s/70s of the twentieth century) and that ended with the beginning of the civil war, after Angolan independence.

Bearing in mind that over the years, and due to the absence of an active maintenance policy, this heritage has been degrading, a complete study was needed to enable rehabilitation strategies/planned maintenance of this heritage. Within the objectives of the research, the following was considered: i) Obtaining the degree of degradation/evaluation index of the building's external surroundings, in relation to the most common visible anomalies; (ii) Estimating the performance levels of certain functional building requirements. In order to achieve this set of objectives, the following actions were required:

1. Identify the main visible anomalies in the exterior surroundings of the buildings;
2. Identify the main parameters versus evaluation requirements of building degradation;
3. Devise a scale for the respective rating;
4. Estimate stakeholders' action on the level of performance of the building, and evaluate the external environment of the building regarding the satisfaction of the requirements of durability and the ease of maintenance and rehabilitation; this is intrinsically related to the safety and health aspects in the interventions after the completion of the building;
5. Indicate the design and construction solutions to be avoided in future projects, with a view to increasing the durability and quality of future projects;
6. Determine priorities for intervention that are satisfactory from the point of view of technical assessment and users' satisfaction.

### Keywords

Degradation, construction pathology, rehabilitation, maintenance.



*Built Heritage of Luanda - Angola, from 1960-70's.*



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