

Friedrich Ragette
Traditional Domestic Architecture
of the Arab Region

Edition Axel Menges

Contents

7	Acknowledgements
8	Preface
9	1. Introduction Tradition, domestic, architecture, natural and human context, Arab, region
12	2. The Arab Region Physical determinants: geography, climate, materials. Cultural determinants: history and tradition, socio-economics, values and ideology
20	3. The origins of architecture Human needs: physical and psychological. Comfort conditions. Macro and micro climates
23	4. Traditional materials for construction Organic materials: animal and vegetal. Inorganic materials: mud, brick, stone, coral, auxiliary materials
29	5. Traditional structures Foundations, bearing walls, suspended slabs, posts and beams, cantilevers and corbelling, arches, vaulting
48	6. Shelter in the Arab Region Informal and formal settlements. Traditional towns: organization, growth, community facilities
54	7. The planning elements Closed cell, transverse space, colonnade and arcade, porch, veranda and loggia, gallery, <i>ivan</i> , inverted T-arrangement, courtyard, courtyard house, central hall, <i>qa'a</i> , roof, basement
65	8. Water and waste management Water sources, water mining, water features. Waste management. Human sanitation
75	9. Traditional design strategies Designing for privacy and segregation of genders, for variable space needs and expansion, for a severe climate, for beauty
92	10. Exceptions to the rule Mountains of the Maghreb, the Lebanon, building tall, building for defense
106	11. Case studies Morocco, Algeria, Tunisia, Libya, Egypt, Syria, Lebanon, Jordan/Palestine, Iraq, Saudi Arabia, United Arab Emirates, Oman, Yemen
239	12. Western vs Eastern ways Western vs Eastern principles of planning and design. The Western experience: Industrial Revolution, romantic and rational reactions. The Eastern experience: old restrictions, new freedoms. From masterbuilder to professional architect. The challenge of adaptation and integration, a choice of concepts. Can future learn from the past? Rescuing the built heritage
254	13. Appendix Hassan Fathy. The Aga Khan Program for Architecture. West learns from East. West vs East: comparison of two university designs in the Arab Gulf. Planning recommendations for Jubail and Yanbu, Saudi Arabia
281	Glossary of Arabic terms
292	Bibliography and credits
294	Index