

Preface

There has been a rapid evolution of floating wind turbines in recent years, with the technology progressing from an eccentric research topic to the verge of commercialisation in a relatively short period of time. The first full-scale prototypes have been tested at sea, with these projects being largely successful and assisting in the demonstration of the technology. Plans are currently in place to install the first pre-commercial floating offshore wind farms in the next few years, which should lead to a significant expansion of the sector. Demonstrating the economic feasibility of projects will follow.

This book presents an overview of the current status and underlying design principles that apply to floating offshore wind energy technologies. Given the topics covered and the link between all of them, it can be considered one of the first textbooks in this field. It was compiled by a select group of authors, invited to contribute to the publication based on their experiences and expertise in floating offshore wind technologies or related disciplines. The publication aims to provide a solid first reference, which can be used either as a starting point for newcomers to the field, or by any interested reader with an engineering background.

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Lisbon, Portugal

Joao Cruz
Mairead Atcheson

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Cruz, J.; Atcheson, M. (Eds.)

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