



**WavEC**  
*Offshore Renewables*

**WAVEC ANNUAL SEMINAR:**  
BLUE ECONOMY – OFFSHORE PLATFORMS AND OPPORTUNITIES

MUSEU DA ELECTRICIDADE, LISBON, 26/11/2012

# **MONITORING AND TECHNOLOGY**

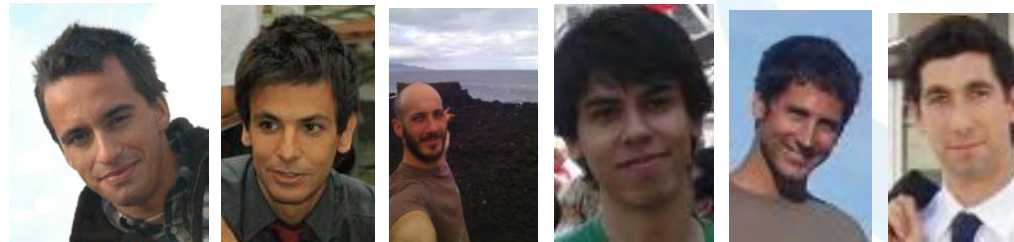
**TEAM, SERVICES & PROJECTS OVERVIEW**

Miguel Lopes

# MONITORING AND TECHNOLOGY

## MAKING IT HAPPEN

- Due diligences and strategic studies of technologies
- Performance monitoring
- Component development and testing
- Underwater monitoring
- Wave Tank Testing
- Resource evaluation



# MONITORING AND TECHNOLOGY

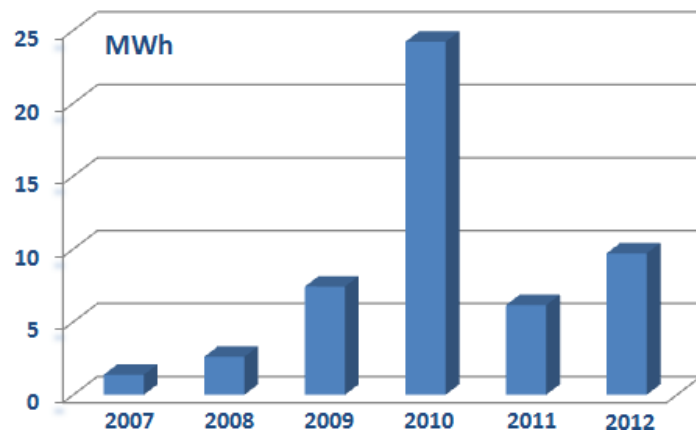
## FLAGSHIP PROJECTS – EXPERIENCE IN MONITORING PROJECTS

- Pico Plant (since 2003)**



- Other relevant experience**

- 2003 - 2004 AWS
- 2008 Pelamis
- 2009 - 2013 WaveRoller
- 2009 - 2013 OPT



# MONITORING AND TECHNOLOGY

## HEADING TOWARDS THE FUTURE.. OFFSHORE

- **Floating Offshore Wind**

- Demowfloat: Expanding WavEC's activities into offshore wind



- **New monitoring tools and enabling technologies**

- ROV tools, for deep sea operations
- Weather windows, tools to characterize and predict
- Data transmission, underwater and to shore
- Underwater grid connection components

