



## SUPPORTING **GLOBAL** **ENERGY** AMBITIONS

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Delivering fully integrated topside, vessel and subsea services to meet the energy transition.

[www.oegrenewables.com](http://www.oegrenewables.com)

**Hughes Subsea Services Ltd**  
**Diving in Renewables**

# Market Sectors



Tidal

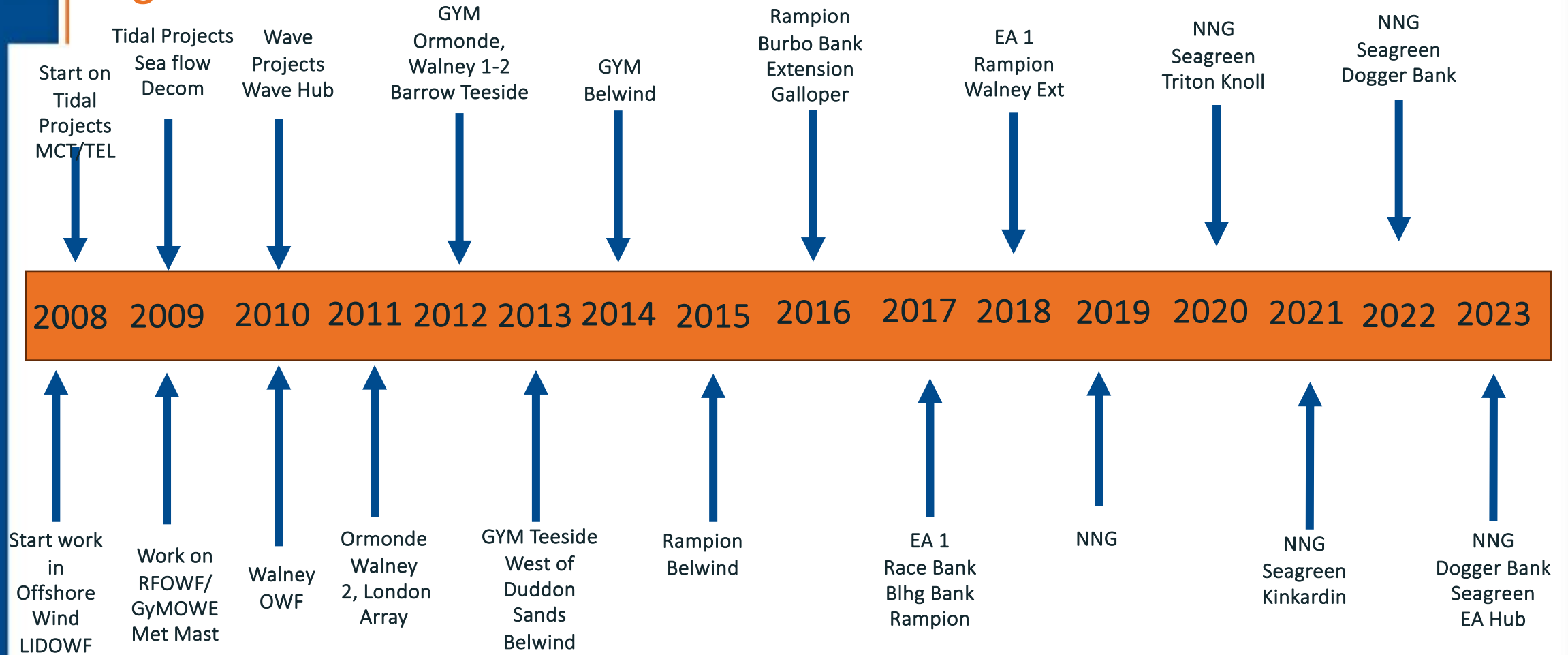


Offshore Wind



Wave

# Hughes Subsea Renewable Timeline



## The Beginning

- CTV
- Small Craft
- SRP
- Vessel 4-point Mooring



## The Beginning



## The Beginning-Tasks

- Scour removal
- Bell Mouth Removal
- Mattress installation
- Surveys
- IRM
- Cable Assistance

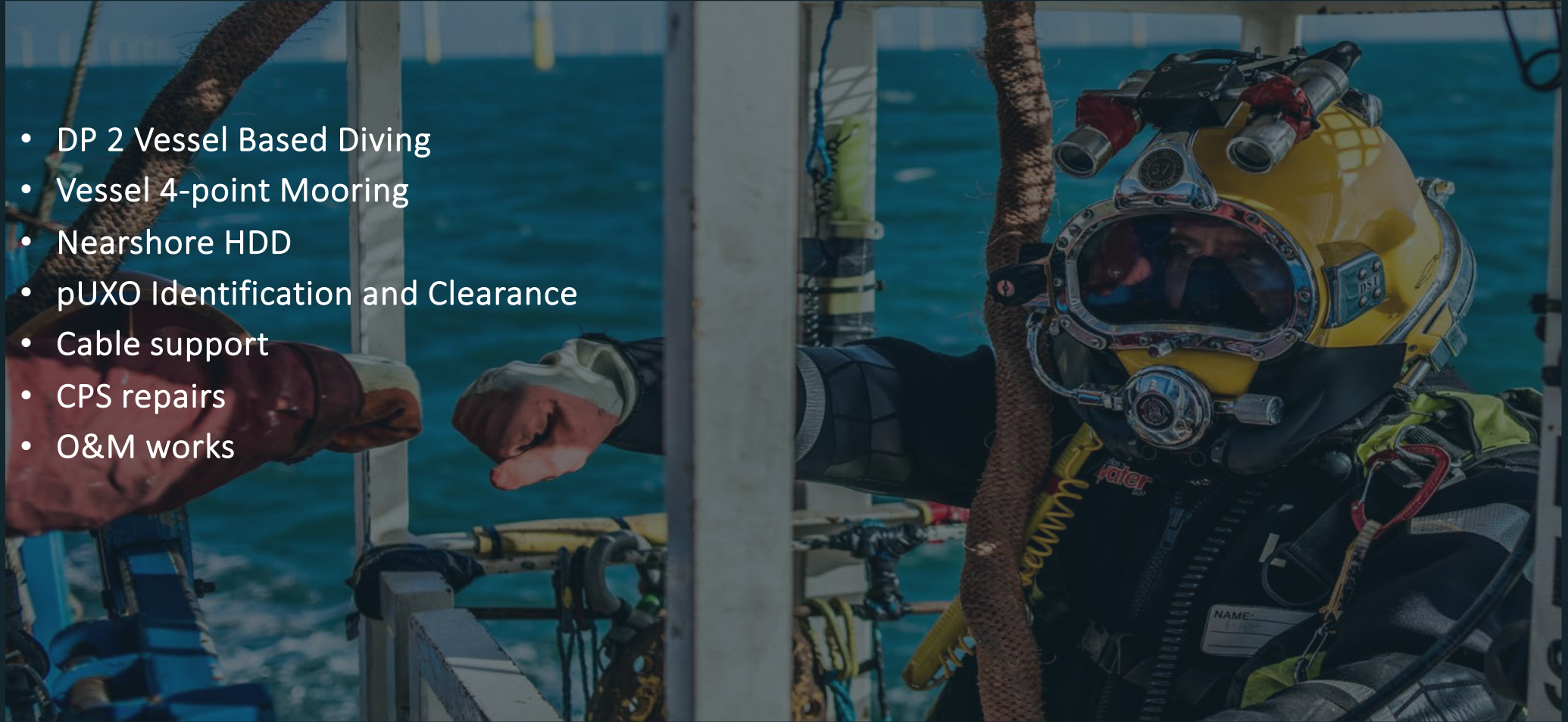


## Present Day



## Present Day

- DP 2 Vessel Based Diving
- Vessel 4-point Mooring
- Nearshore HDD
- pUXO Identification and Clearance
- Cable support
- CPS repairs
- O&M works





## DP 2 Vessel Based Diving



© Maciel Photography

## 4 Point Mooring Diving

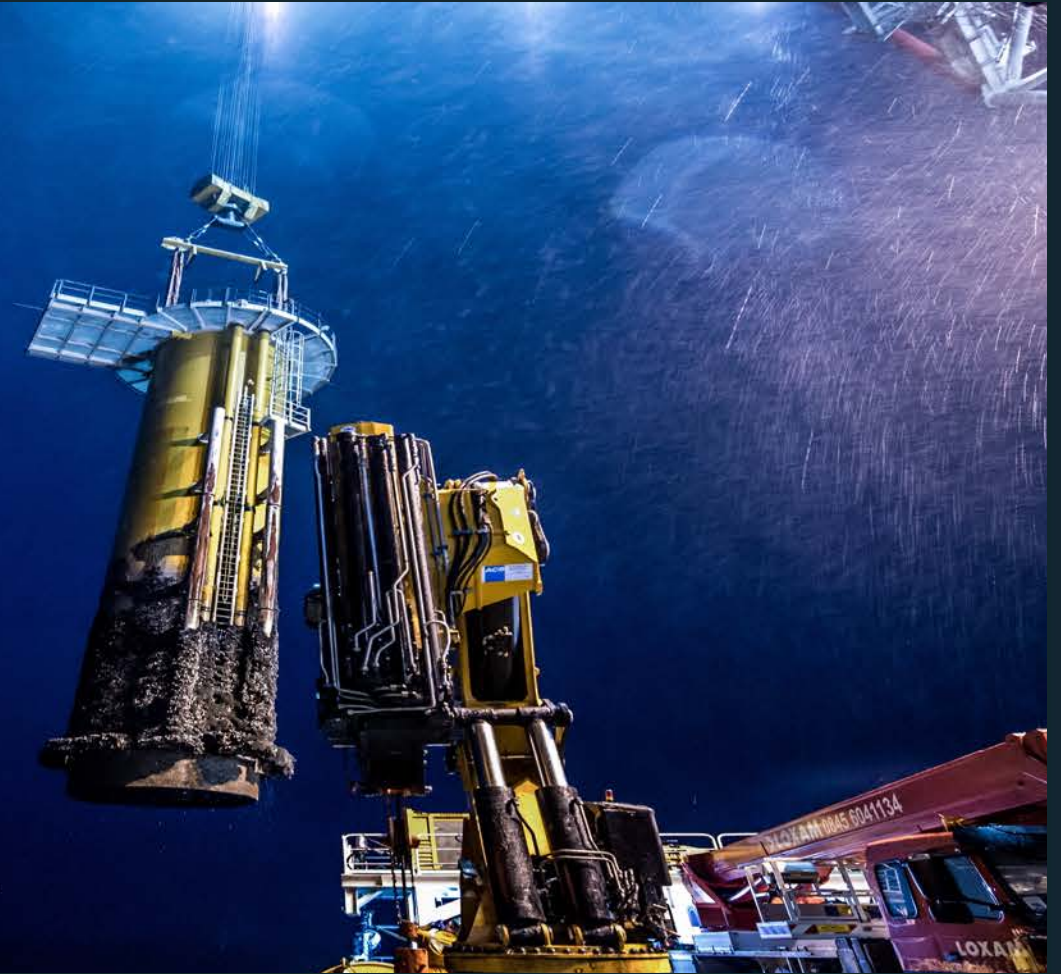


## Future Works



## Future

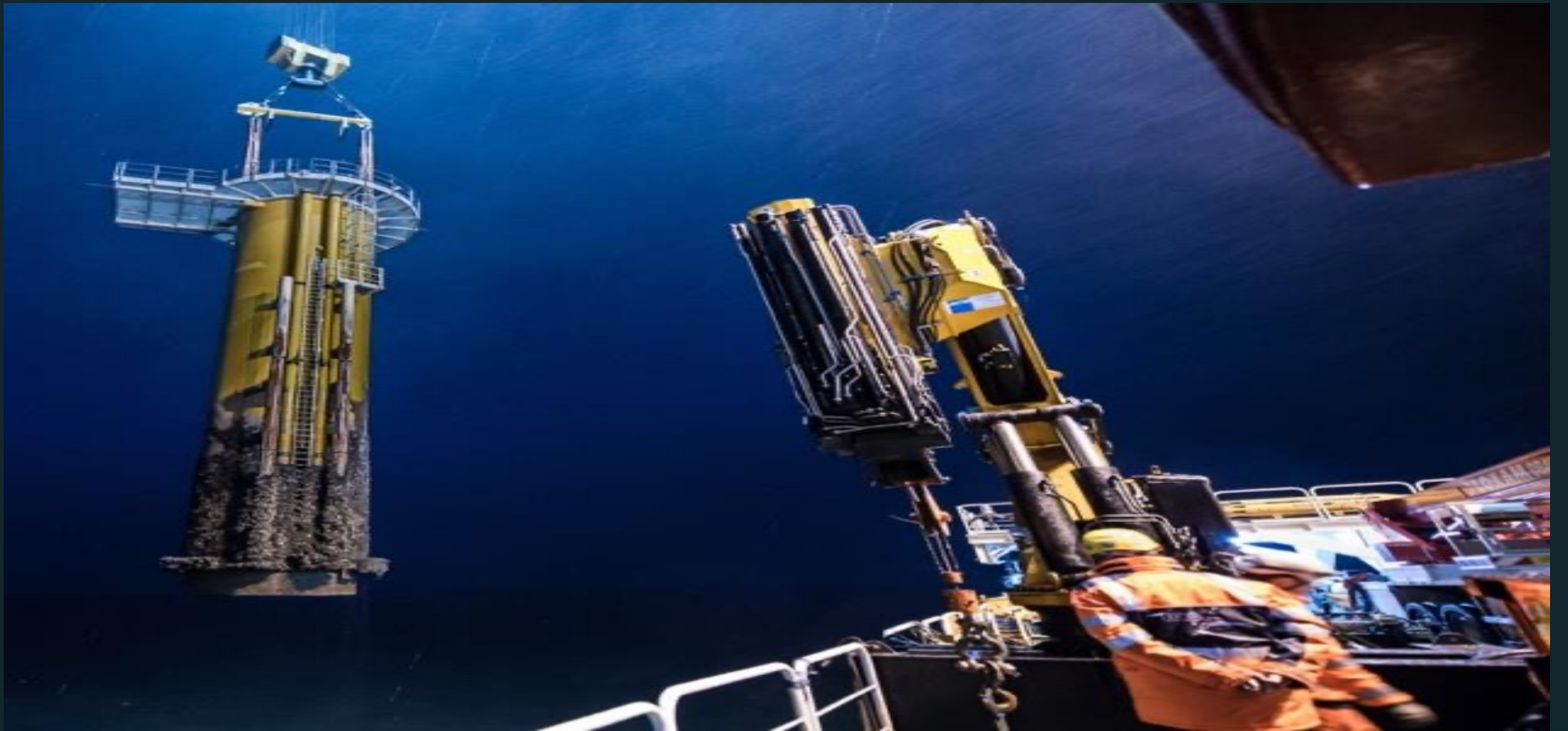
- Saturation
- TUP diving
- Decommissioning



## Saturation/ TUP Diving



## Decommissioning



## Client Expectations

### Regulation

International Regulations (NORSOK, DNV Guidelines for Offshore Diving etc)

### Standards

Industry Best Practice  
Client Diving Rules

### Marine Coordination Control/ Training Standards

GWO/ OPITO recognition  
Proprietary tracking – VISSIM/ Atlas/ OSEM etc



## Minimum Requirements

UK: Diving at work regulations  
1997 (DWR),  
Commercial diving projects  
inland/inshore Approved Code of  
Practice – L104  
Commercial diving projects  
offshore Approved Code of  
Practice – L103

Membership  
IMCA  
ADC

Quality Management system  
ISO 9001  
ISO 14001  
ISO 45001





## Questions!

### Contact

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