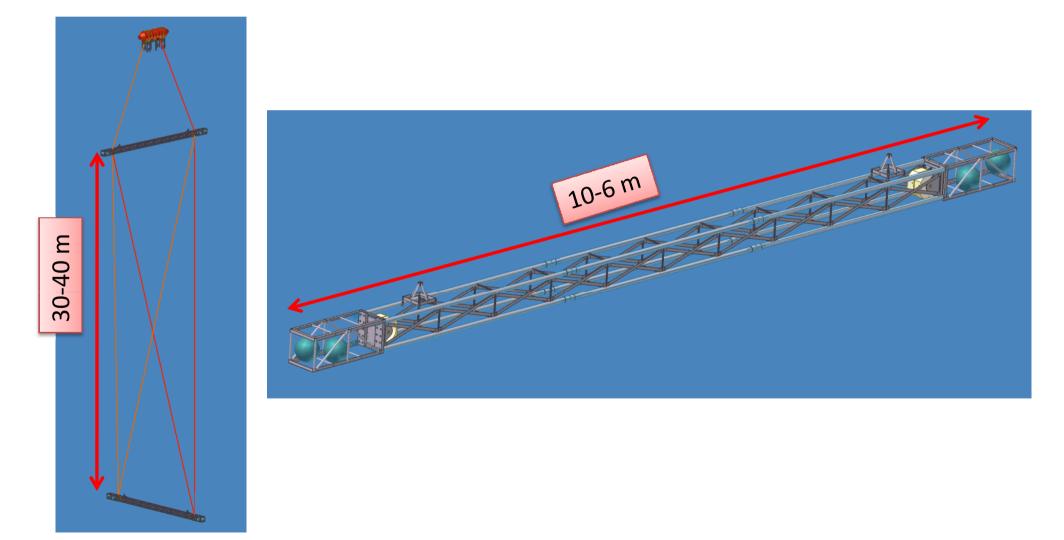
talk outline

- ✓ vOne concept;
- ✓ backbone cabling issues and evolution;
- ✓ packaging for handling and deployment

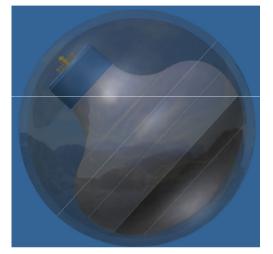
what is vOne

VOne is basically a concept that envelope the idea to arange several storeys twisted of 90° each to the other in order to obtain a 3D detection unit



it can be adapted to different specifications depending on physics requirements

- ✓ PMT vessel size;
- ✓ beam lengths;



✓ storey's vertical spacing;

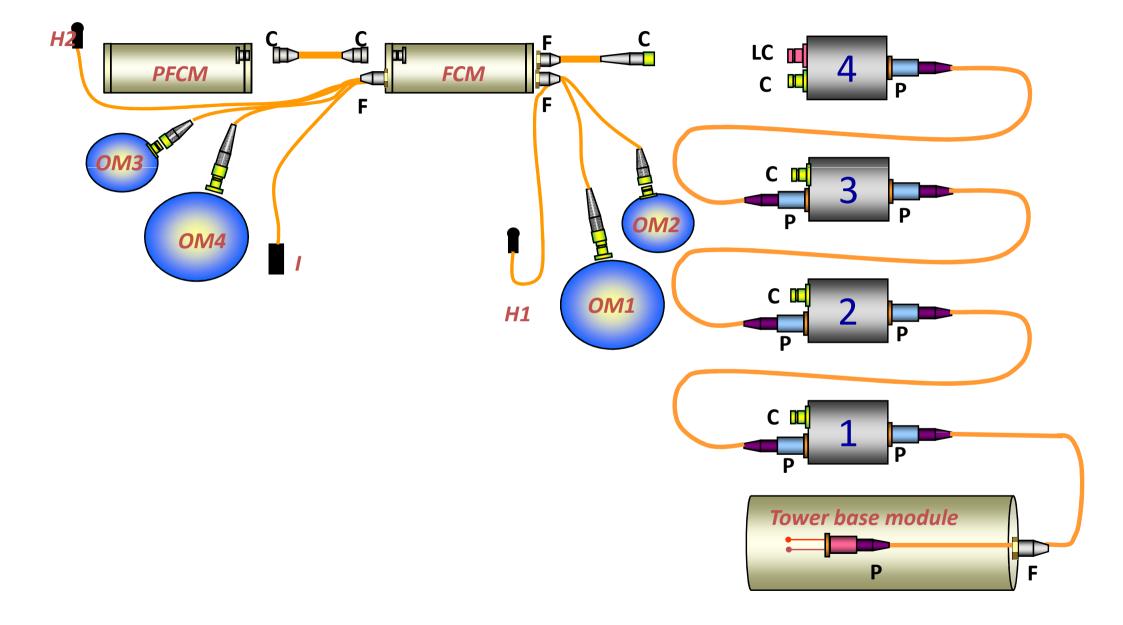


the integration process has been optimized by using the learned lessons

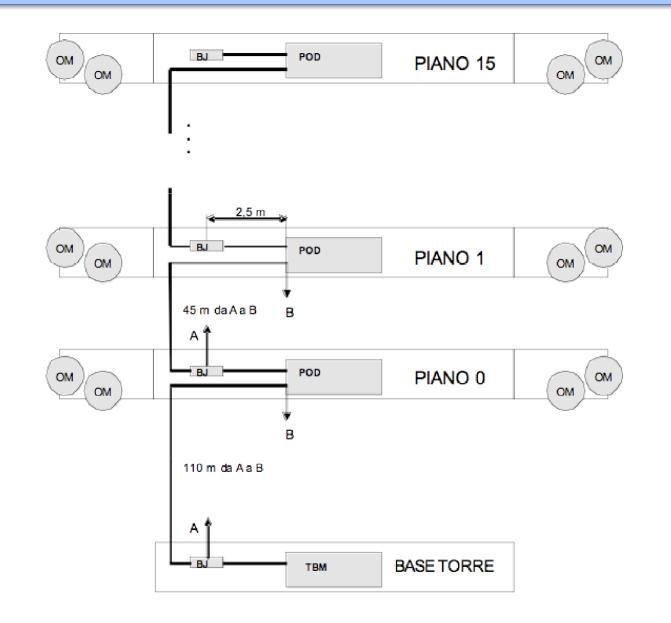
- ✓ the bottle neck of the integration is the cabling;
- ✓ the bottle neck of the cabling is the optical fibre routing/splicing were there are penetrators instead of connectors;
 ✓ the fibre routing is a time consuming
- activity that has to be avoided us much as possible;

TIME = MONEY

the backbone evolution 1/3

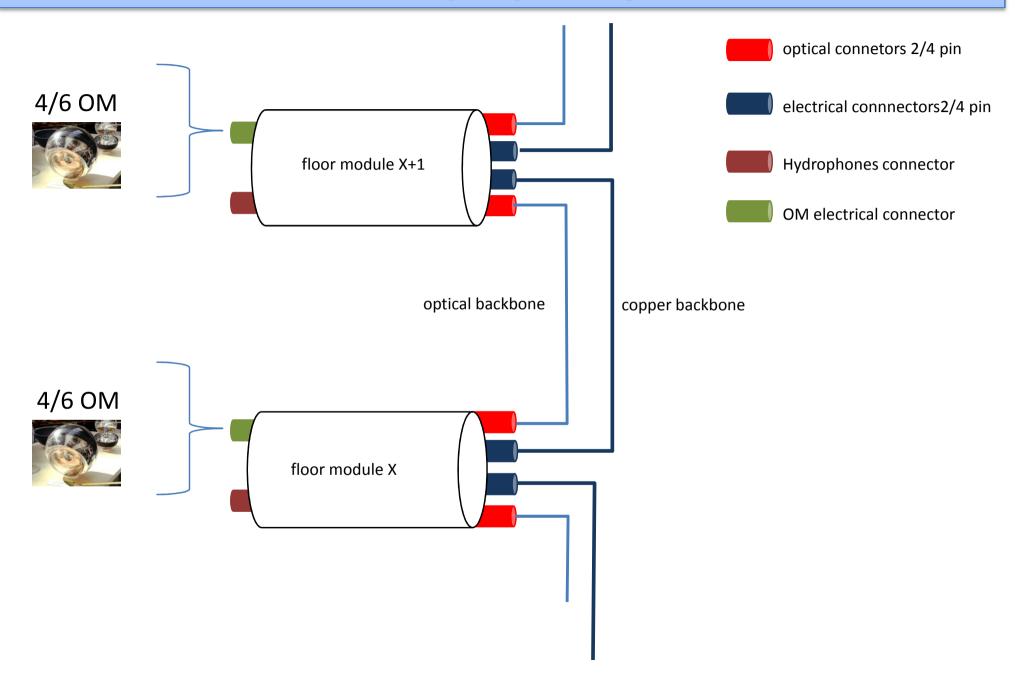


the backbone evolution 2/3





a backbone proposal for VOne



backbone evolution vs price reduction

TIME = MONEY

✓ VOne is simpler than phase 2

✓ phase 2 is simpler than phase 1