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Visite AFGC OI – Novembre 2017
François VERILLAUD, Directeur de projet Adjoint



Digue inférieure

© Christie Vigne



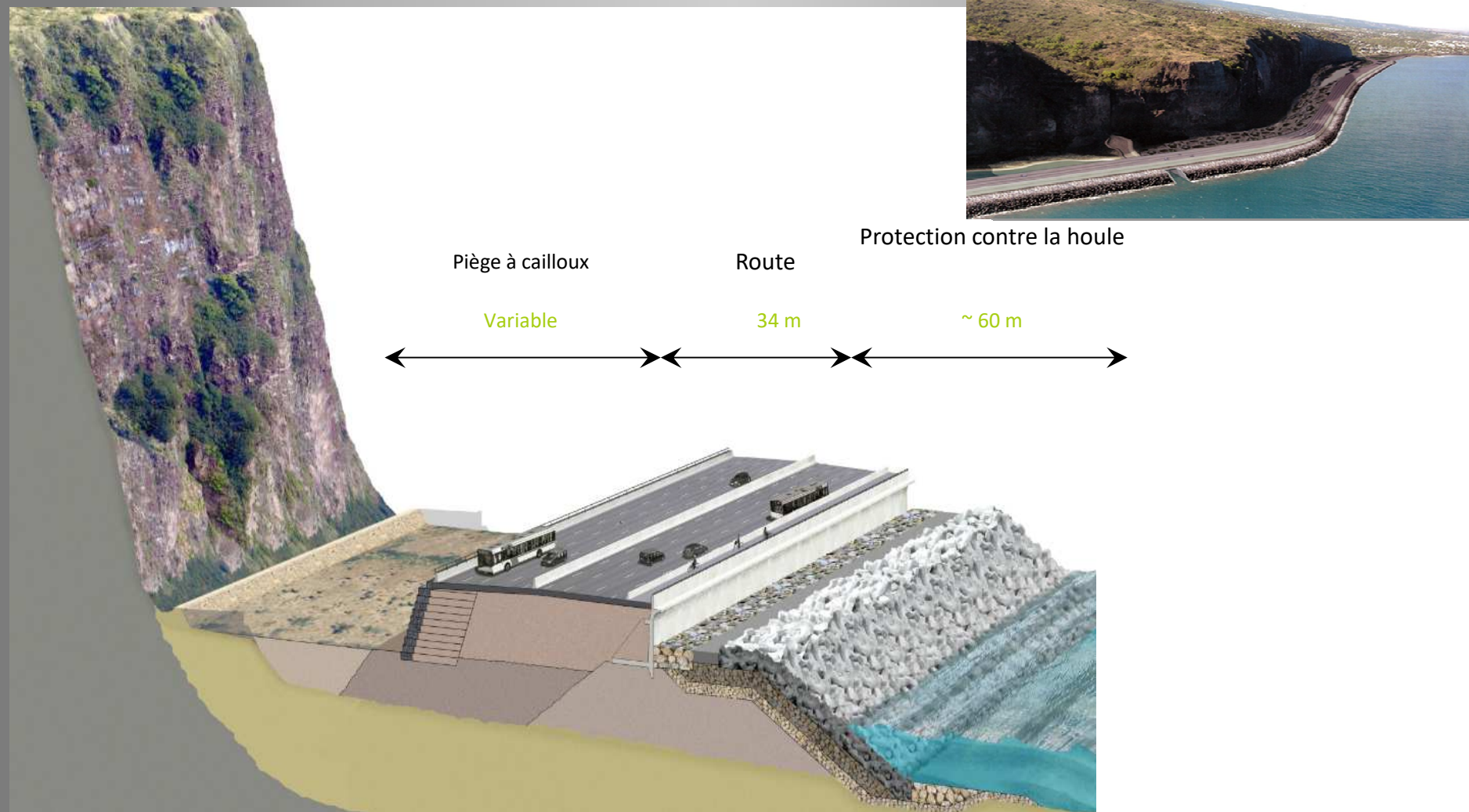
La Nouvelle Route du Littoral





2

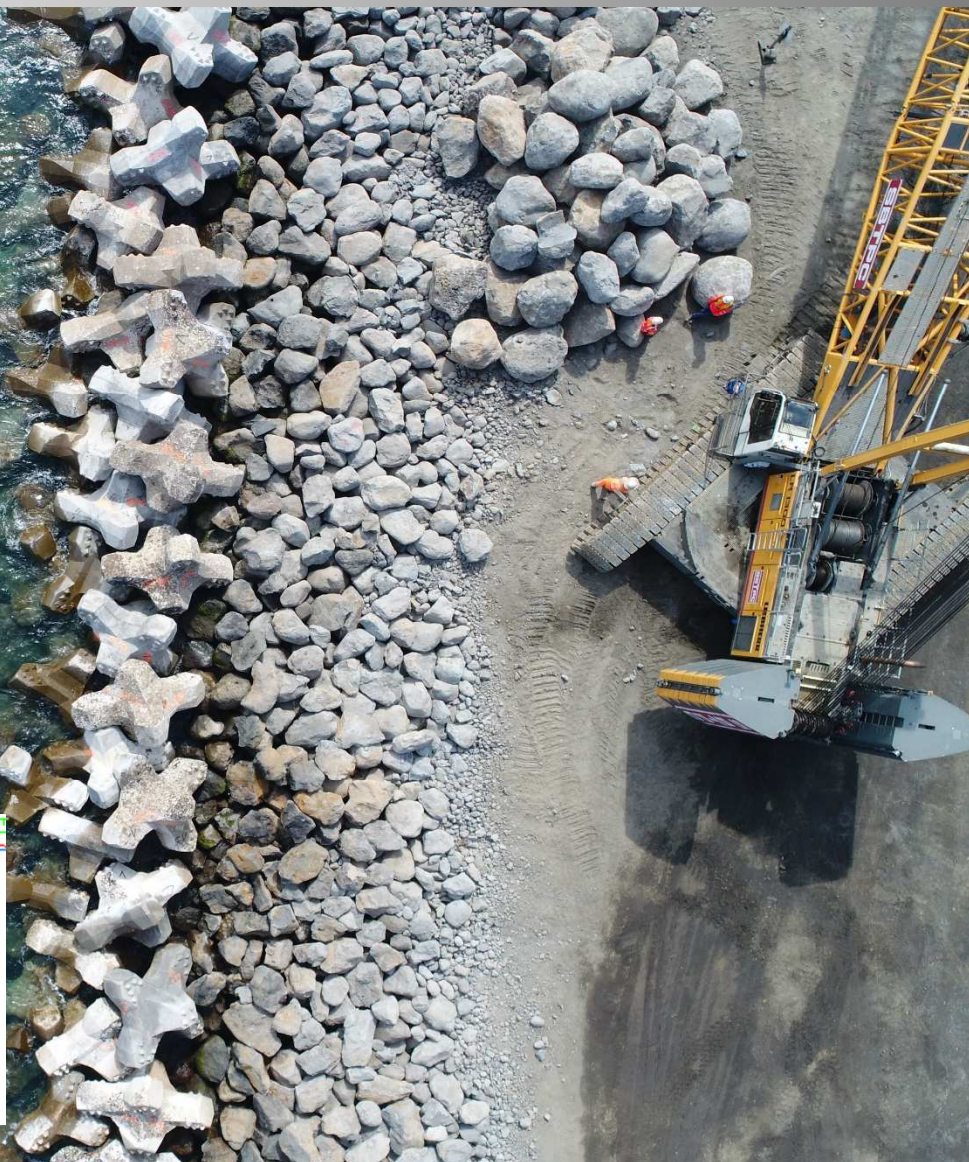
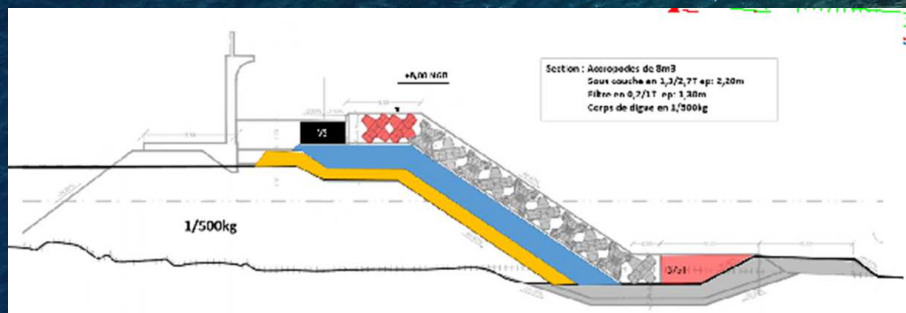
Conception générale de la digue





3 *Sous-couches et Carapace*

- ❑ *Corps de digue: 1/500kg*
- ❑ *Bloc X4*
Sous-couche = 0.2/1T
- ❑ *Acropode A6*
Sous-couches = 0.2/1T + 1/2T
- ❑ *Acropode A8*
Sous-couches = 0.2/1T + 1.3/2.7T
- ❑ *Acropode A11*
Sous-couches = 0.2/1T + 1.8/3.8T





4 La carapace

Brevet DMC

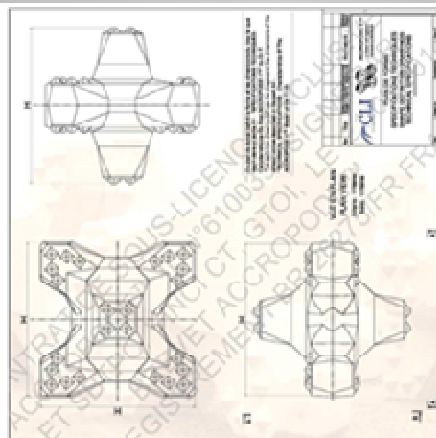
❑ *Bloc X4: 10t*

Brevet CLI

❑ *Acropode A6: 15t*

❑ *Acropode A8: 20t*

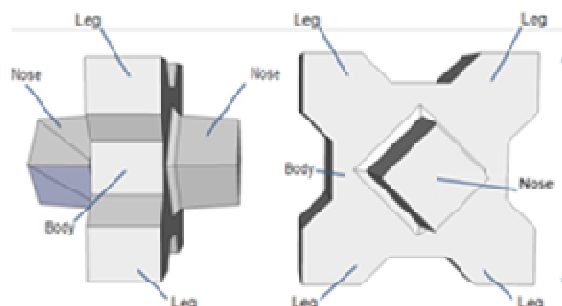
❑ *Acropode A11: 27.5t*



5-1 Forme générale du bloc Acropode II

Volume V (m³)	V = 0.2925 H³															
Hauteur du bloc H (m)	H = (V/0.2925)^(1/3)															
Épaisseur de la carapace T (m)	T = 0.9 H															
	1.51	1.90	2.17	2.39	2.58	2.74	2.88	3.01	3.13	3.25	3.45	3.71	4.09	4.49		
	1.36	1.71	1.96	2.15	2.32	2.46	2.59	2.71	2.82	3.01	3.10	3.34	3.68	4.02		

5-2 Valeur caractéristiques Acropodes II



5-3 Forme Générale du Xbloc



Densité

❑ « Normale »: 2.45t/m³

❑ Densifiée: 2.65t/m³



6



Dock flottant



7

Navire à
Déversement latéral



Ponton dipper (3500CV)

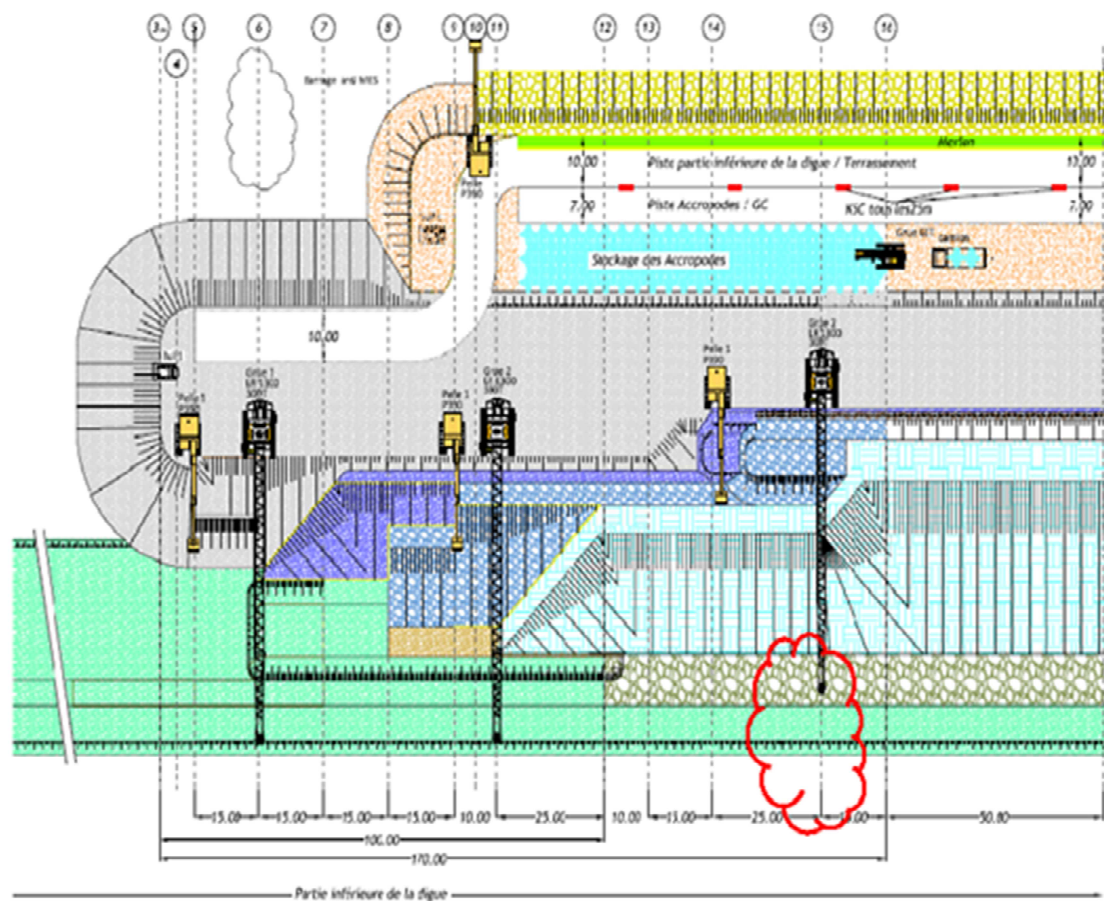


2200t



9

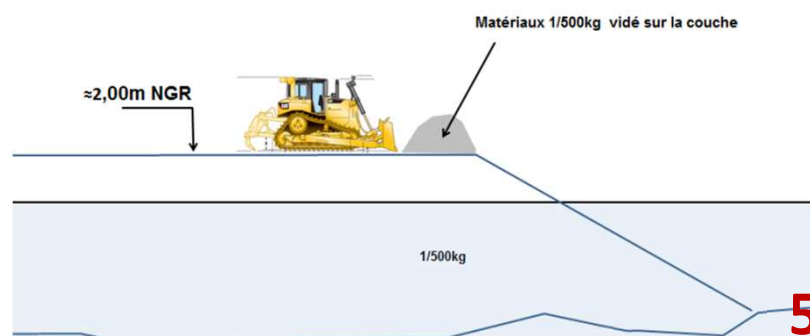
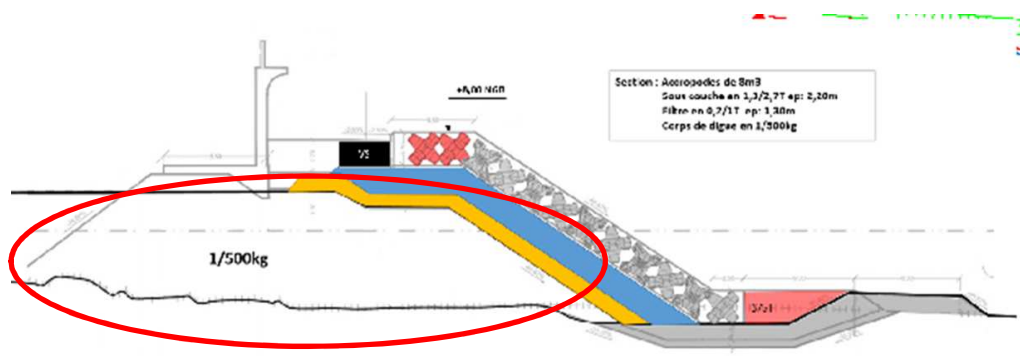
Phasage de la digue – Ateliers terrestres à l'avancement



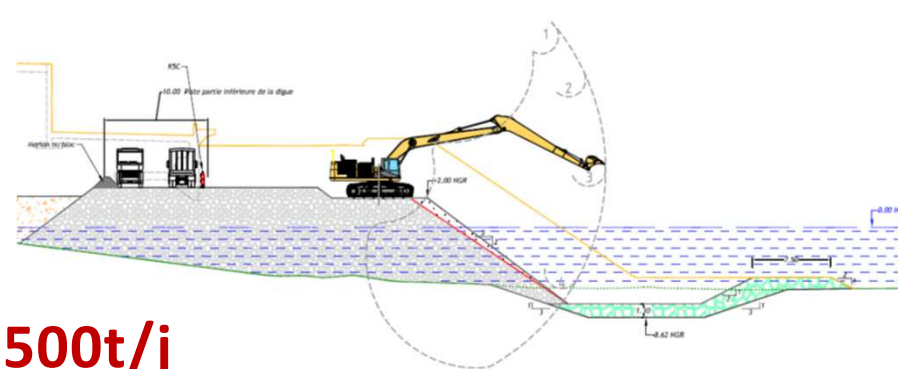


10 Phasage de réalisation d'une digue : Exemple D3

Corps de digue 1/500kg

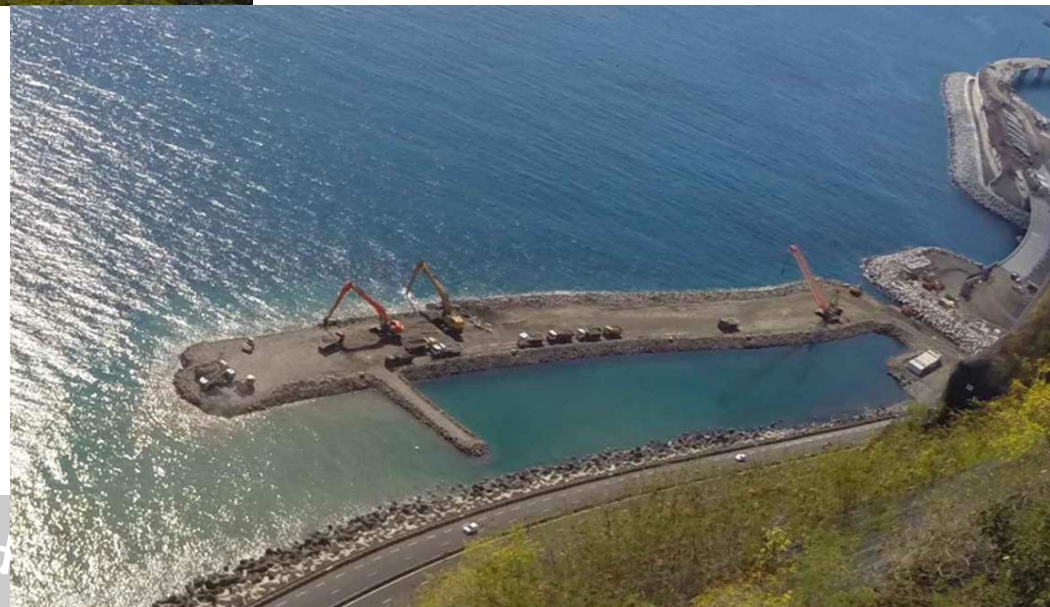
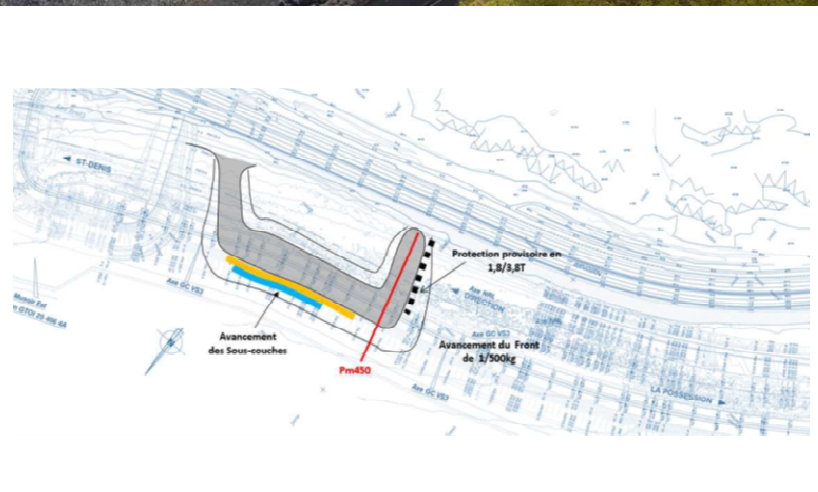


5 500t/j





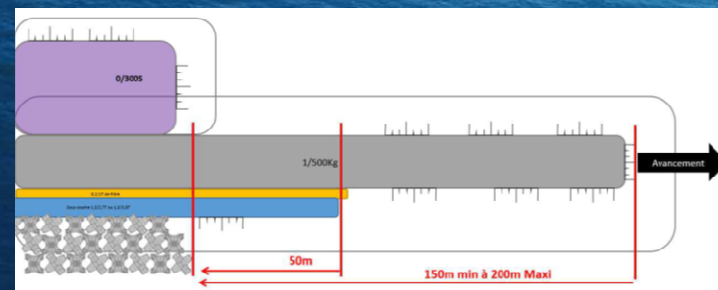
11





12

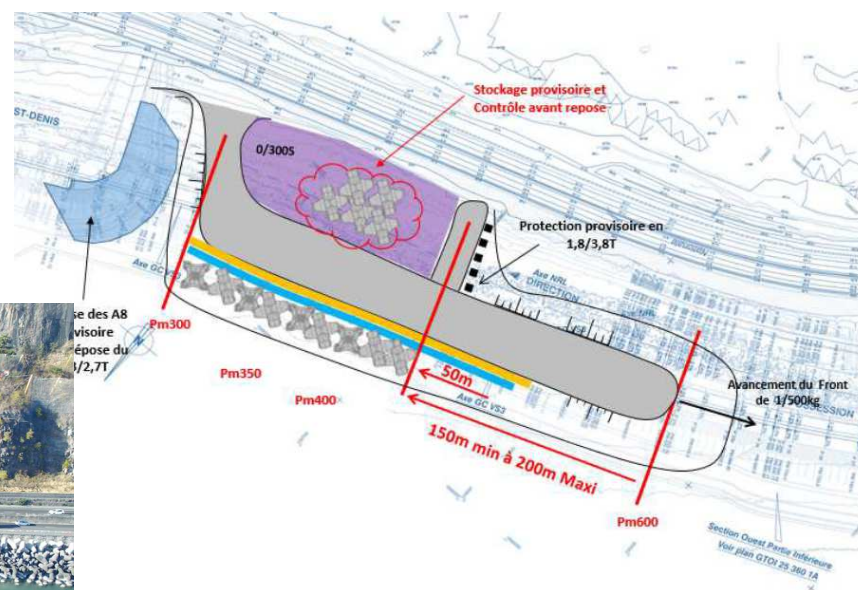
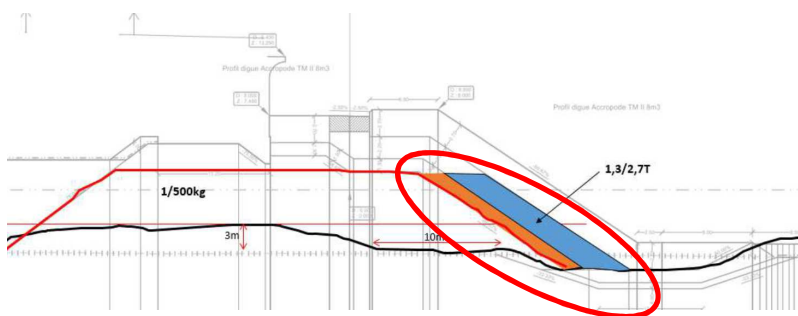
Contraintes environnementales





13 Phasage de réalisation d'une digue : Exemple D3

Filtre 0.2/1T et sous-couches enrochements



7 à 10ml/j



14

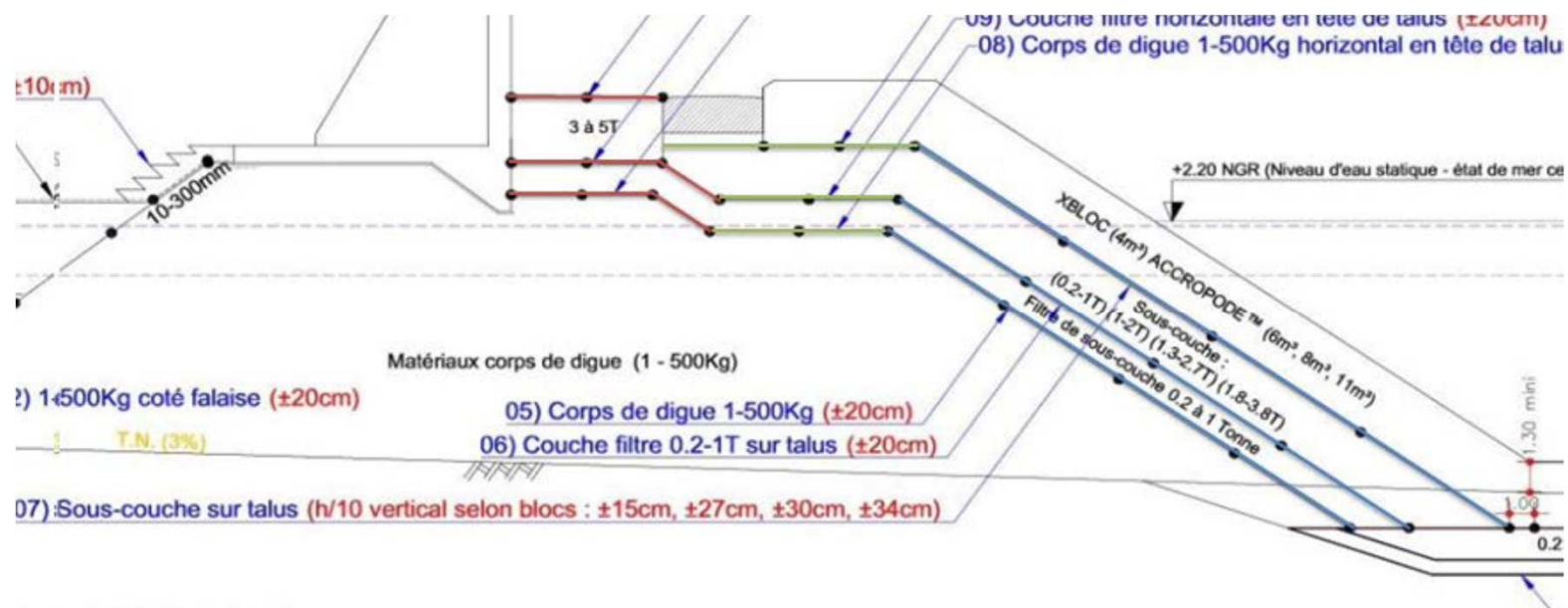


Pelles grande géométrie



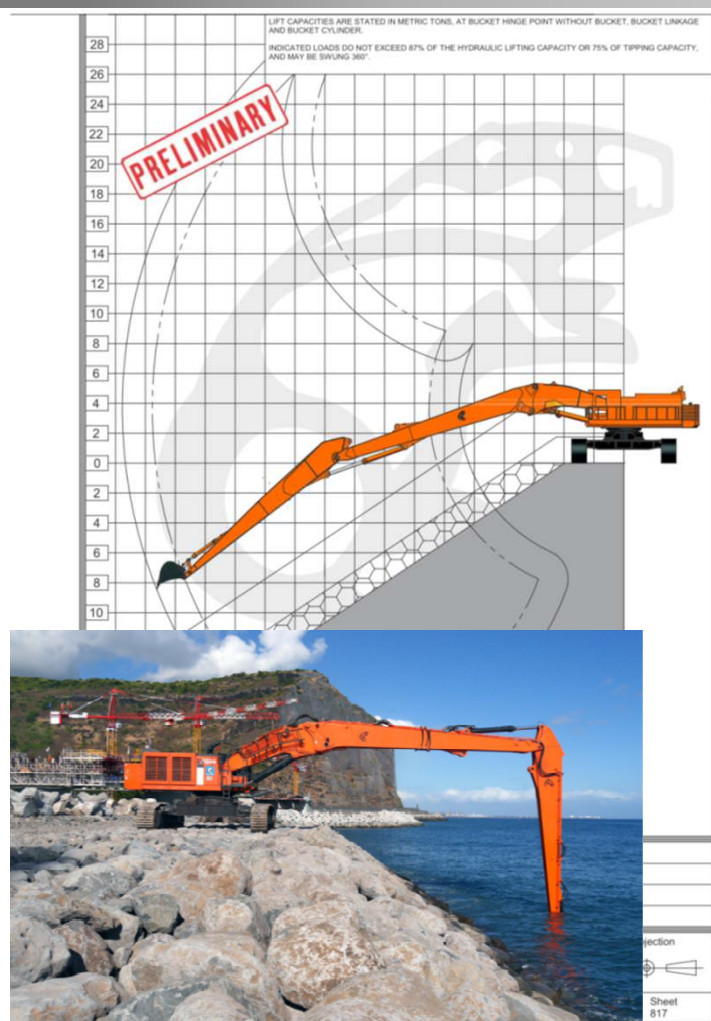
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Les contrôles de réception





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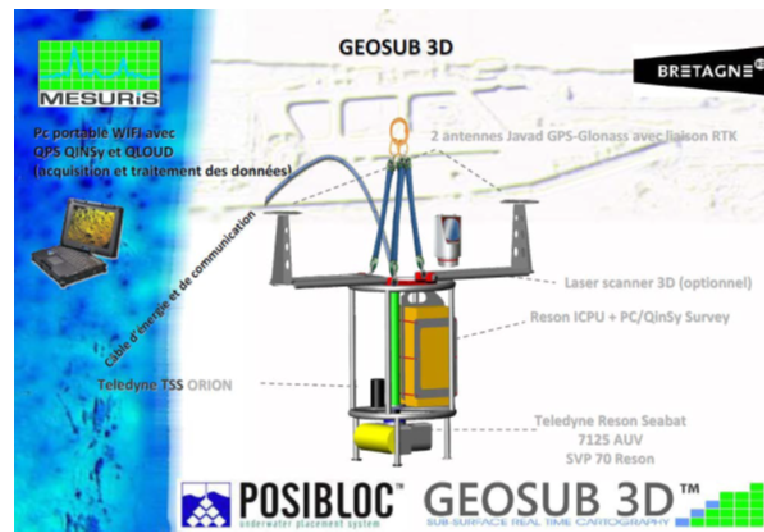
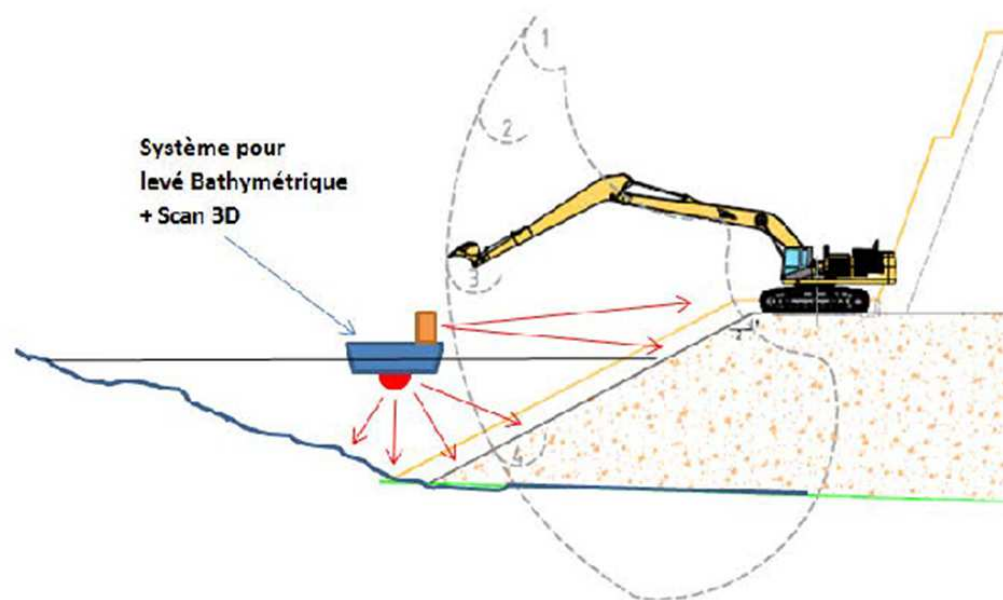
**Controles
Terrestre**
GPS + Levés drone





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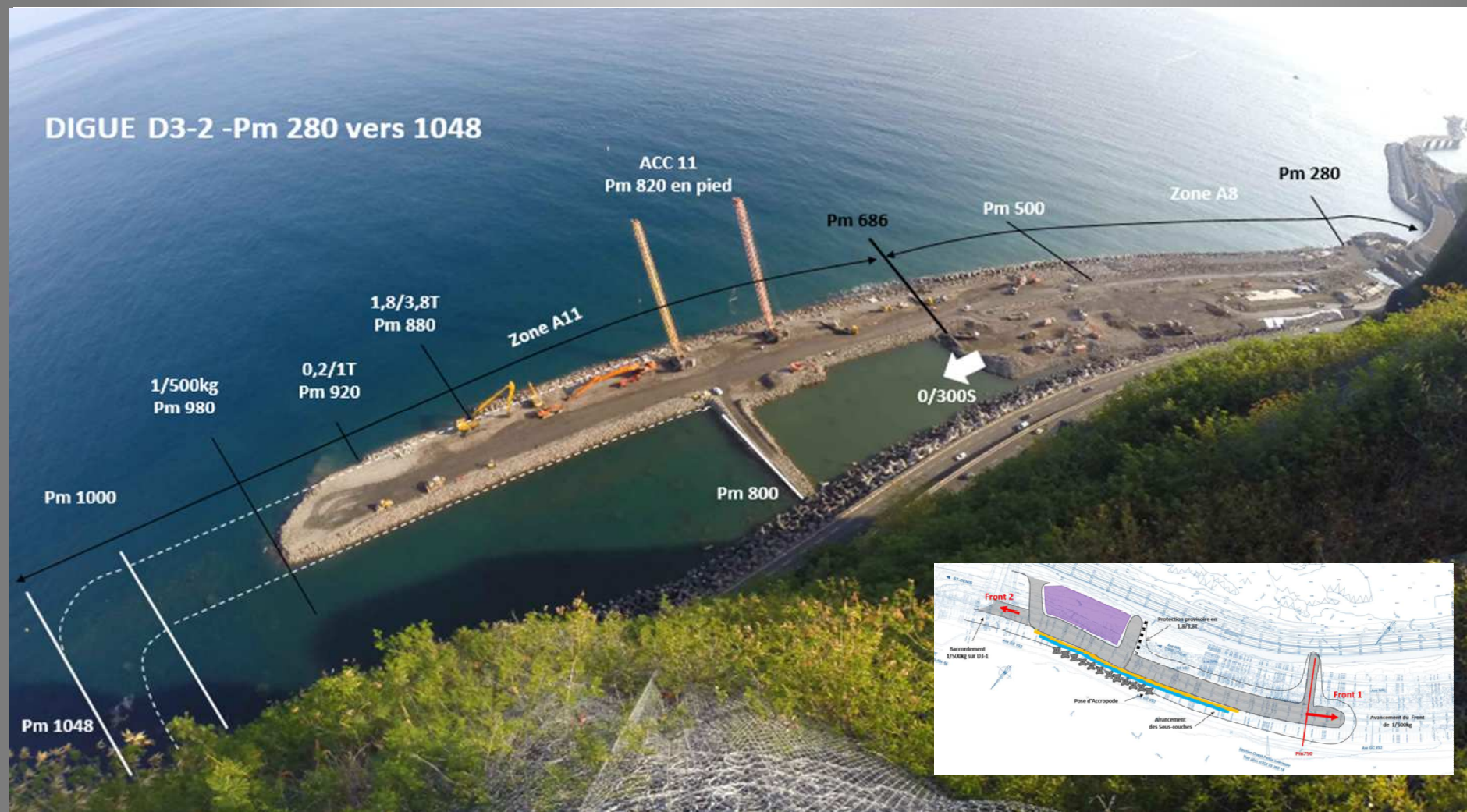
Sous l'eau



Bathy + Inspection plongeurs

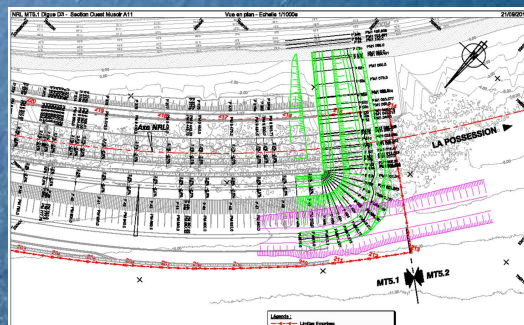


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Musoir en extrémité de digue



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La carapace





Acropodes



X-bloc



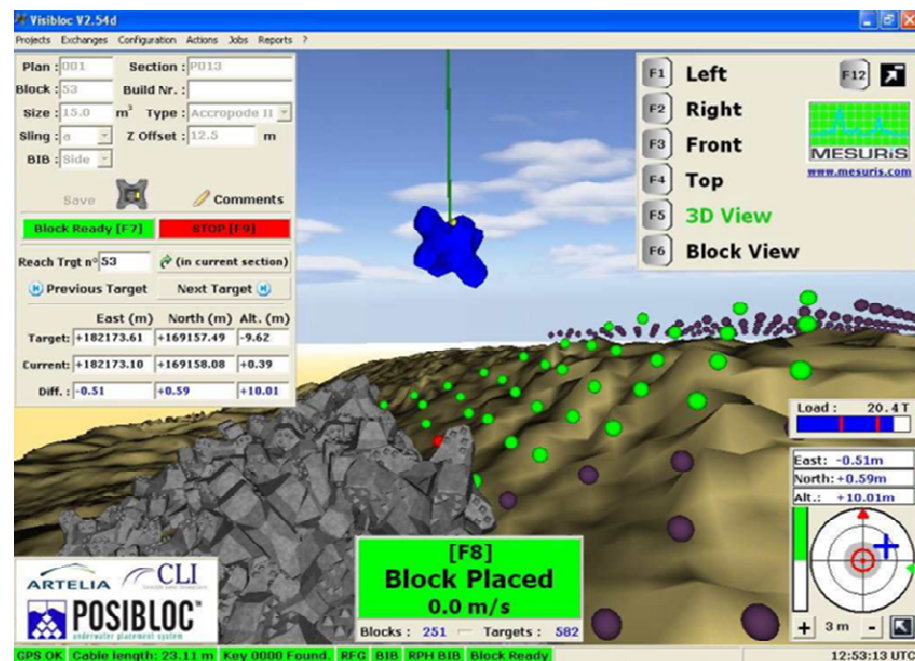
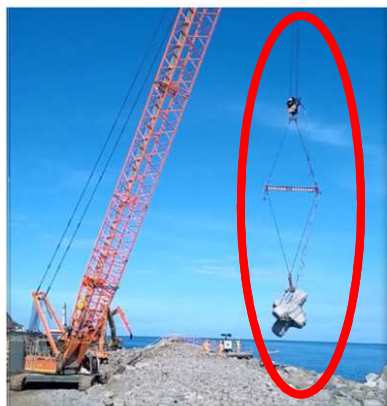
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Pose des blocs préfabriqués – Système POSIBLOC





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Visibloc Processing V2.08 - Projet: MT5.1_D3_A8_20170830gtol_20170831_112052

Projets Echanges Configuration Actions Rapports Processing Langues ?

VISIBLOC PROCESSING

Plan : 000 Section : Z2_P050
Bloc : 26 Nr. Prefa: 8054-05
Taille : 8.0 m3 Type: Accropode II
Elingue : b
Z Offset : 14.08 m
BIB : Creux

Commentaires

Bloc n° 26 Atteindre

Bloc précédent Bloc suivant

	Est (m)	Nord (m)	Alt. (m)
Cible:	+330526.88	+7688381.18	-2.70
Actuel:	+330514.72	+7688375.31	+9.09
Diff. :	-12.16	-5.87	+11.79

F1 Vue de gauche F12

F2 **Vue de droite**

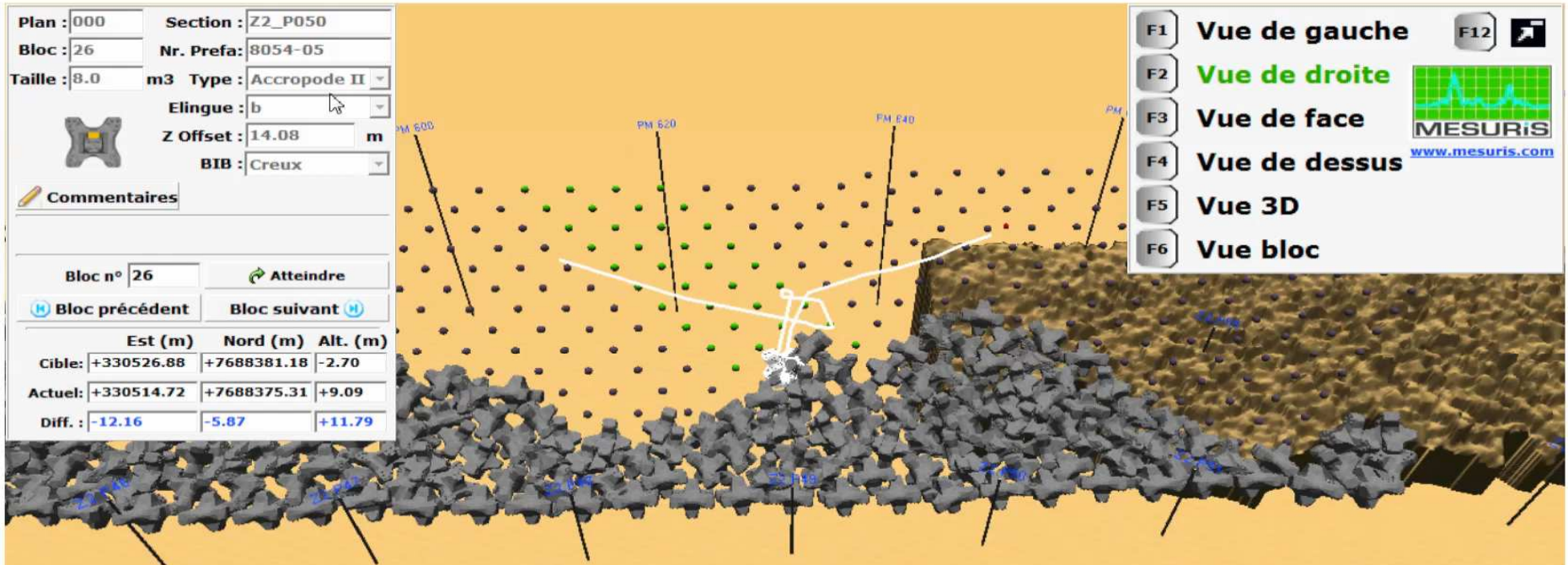
F3 Vue de face

F4 Vue de dessus

F5 Vue 3D

F6 Vue bloc

MESURiS
www.mesuris.com



☒ Vitesse RT

Rejouer Bloc n°26

Compt. :

Blocs : 868

Cibles : 1611

Charge : -0.2 T

Temps écoulé 04:47

Bloc posé

Attitude sélectionnée : attitude finale

ARTELIA CLI

POSIBLOC™

underwater placement system

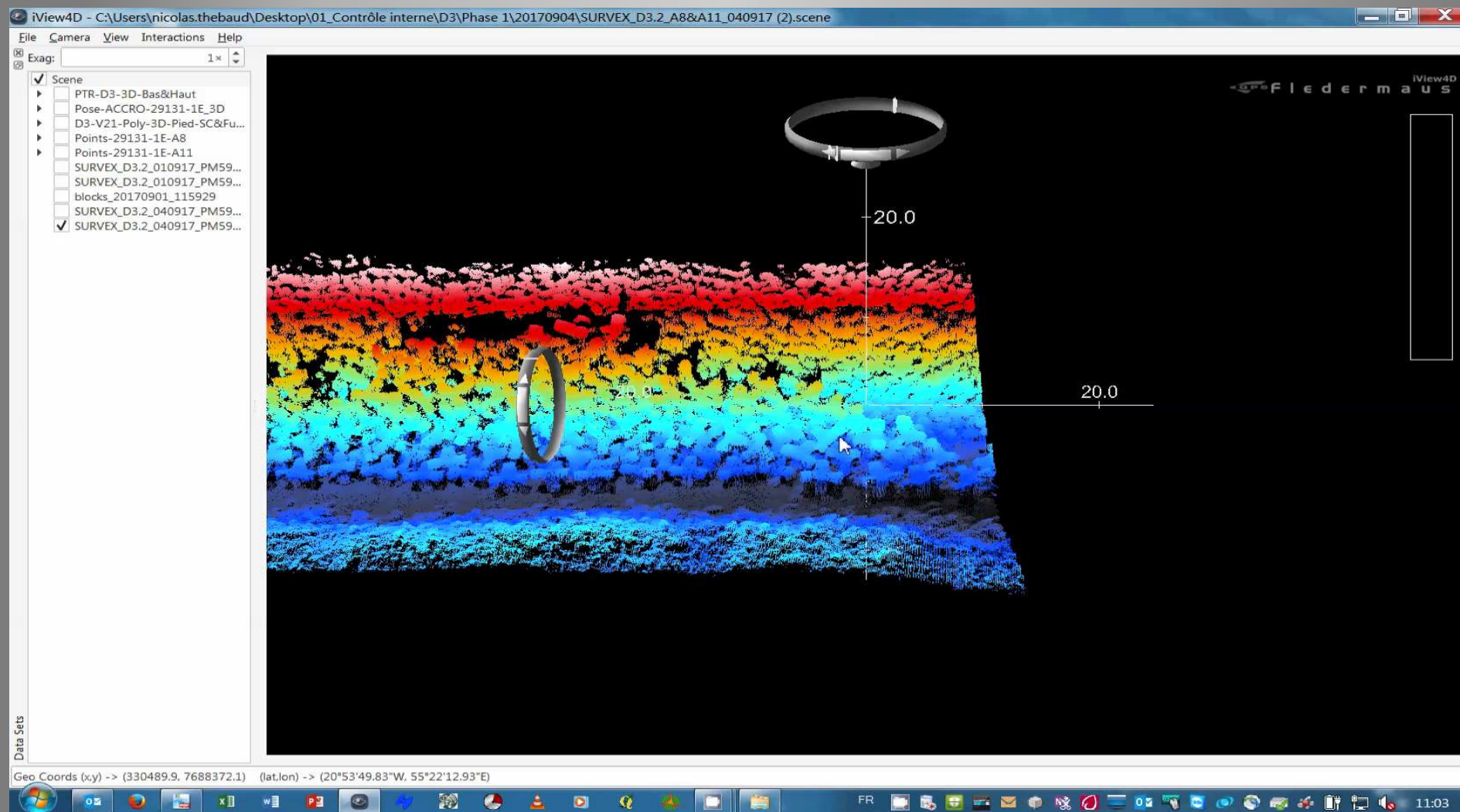
GPS OK Clé 0002. Vitesse: 0.0m/s Bloc disponible

30/08/2017 09:42:33 (UTC)

10:58



25



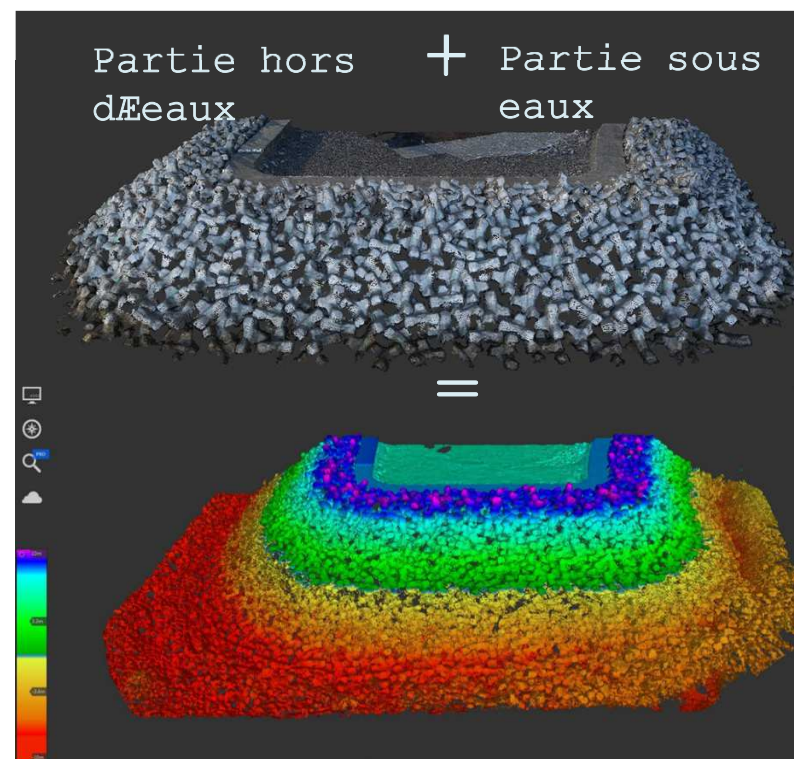


Un pas vers le BIM

Posibloc

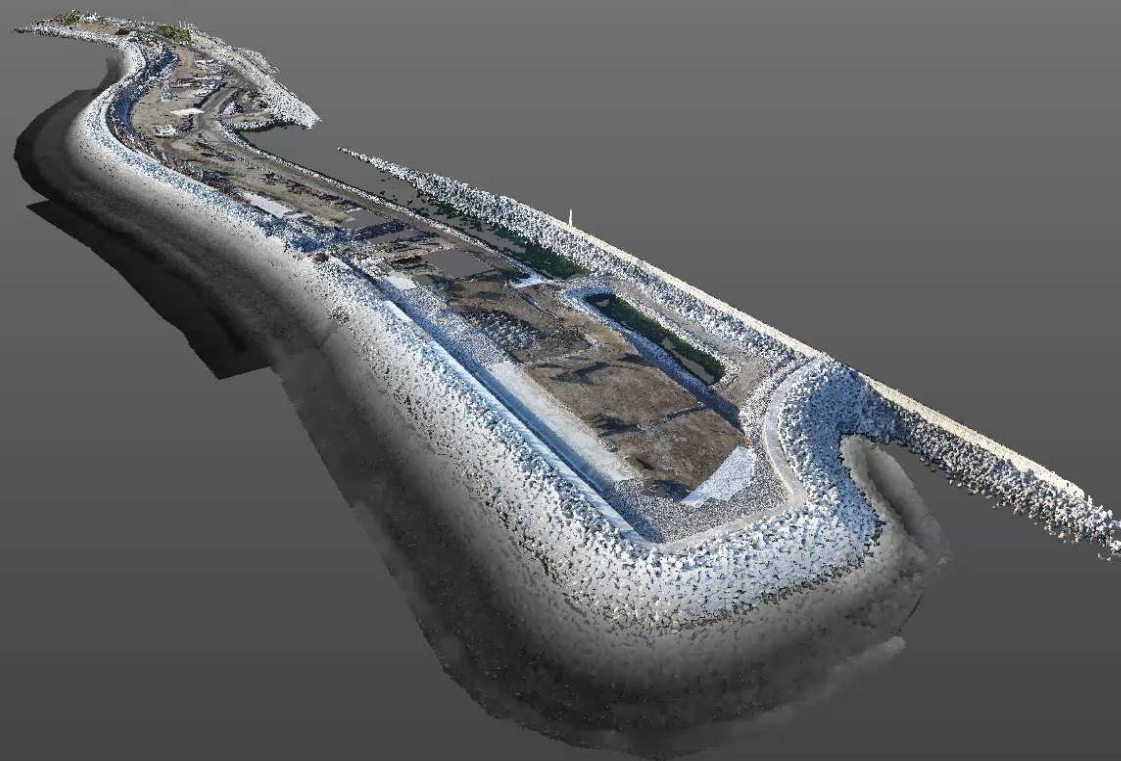
Bathymétrie

Drone





27 Voyage dans le nuage de points



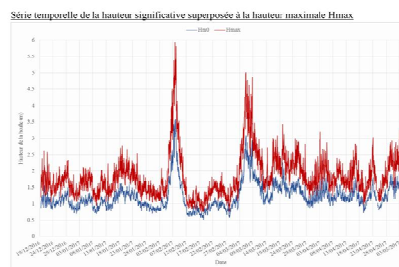
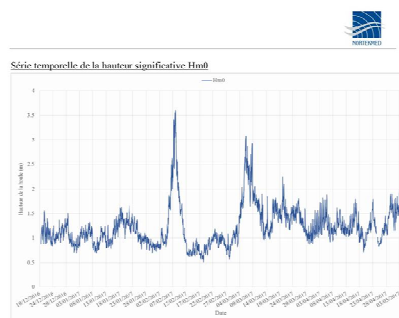
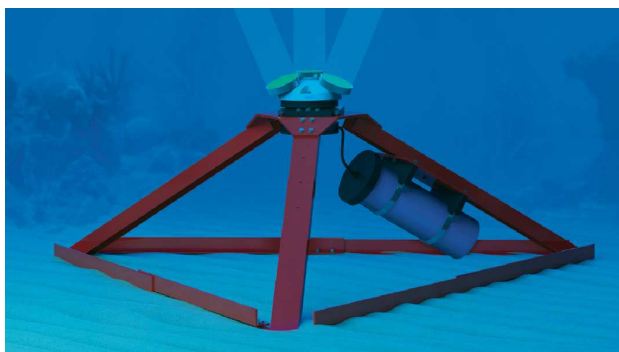
Plus de 17 500 blocs posés



28 Période cyclonique 2017-2018

15 Novembre 2017 au 15 Avril 2018

- Procédure cyclonique avec points d'étapes
- Consignes cycloniques et Astreinte
- Système AWAC – Bouée n°4



AF1500_Report_Houle_0317_03

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