

ARMS Deployment

Materials:

- 1 fully assembled ARMS unit
- 4 24-inch stainless steel stakes
- 1 heavy duty sledgehammer
- Heavy duty zip ties (24-36")
- 1 GPS
- 1 underwater camera
- 1 metadata spreadsheet

Procedure:

1. Place the ARMS unit on the substrate in a horizontal position
2. For easier hammering of the stakes in the substrate and a stronger hold of the stakes on the unit, the stakes may be sharpened and/or one extremity may be bent at 90° with the help of a dice.
3. Place the stake in the base plate hole and hammer it in the substrate at an angle so that the ARMS unit is blocked at the bottom. If the stakes are bent at one end, hammer the 4 stakes into the 4 base plate holes until the bent end is securely blocked by the base plate.
4. When the ARMS are secure, document the site with photos and mark a GPS point of the site.
5. Record deployment metadata

Note: When hammering stakes into the substrate is not an option, it is possible to use other anchoring methods or a combination of methods:

- Drilling with a pneumatic drill and installing eyebolts on a hard substrate allows the ARMS to be secured with cable/zip ties.
- Attaching weights to the sides of the base plate with zip ties to help with anchoring the unit to the bottom. Make sure that the weights do not obstruct the water flow in the ARMS layers.
- Using heavy-duty zip ties as a complement to secure the ARMS to surrounding structures such as rocks.

Illustrations:



ARMS deployed in Indonesia, anchored using 4 stainless steel stakes

ARMS anchored using bolts drilled into the hard substrate and zip ties

