# Flashback: Cambodian Jetty

Surface Type: Engineered Concrete | **Product Used:** DRY-TREAT 100N™ | **Completed:** 1995

THE PROJECT:

An important piece of Cambodian infrastructure was under threat. The old jetty at the port of Sihanoukville was built in the 1960s and had started to show its age. The reinforced concrete structure was deteriorating with parts of the steel rebar showing signs of corrosion.

The 215,278 sq.ft (20,000m^2) jetty was the only one in the port, a vital part of Cambodia's trade. The structure is prestressed concrete so extensive physical repairs could not be carried out. Instead, a high duty, deeply penetrating sealer was required. The protection used had to be long lasting to ensure that the jetty could continue to operate at full capacity.
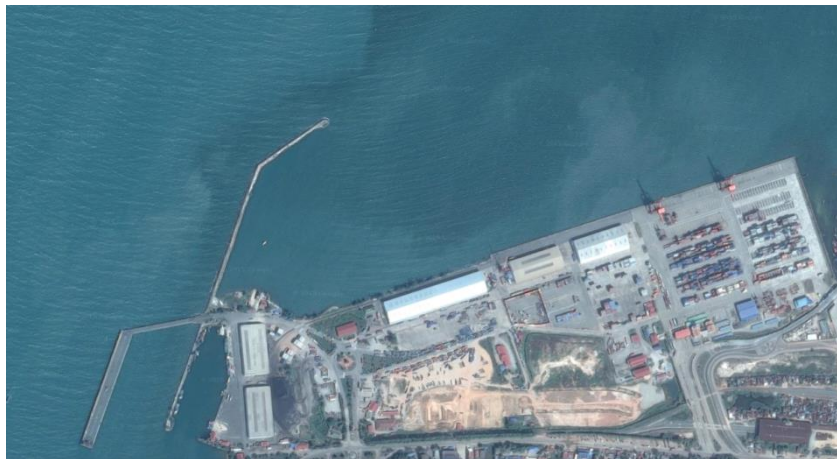
SPECIAL REQUIREMENTS:

- Superior protection against salt spalling
- Sealer had to protect again corrosion of steel reinforcement
- Sealer had to be long lasting
- Protection applied had to make the jetty easier to clean and maintain
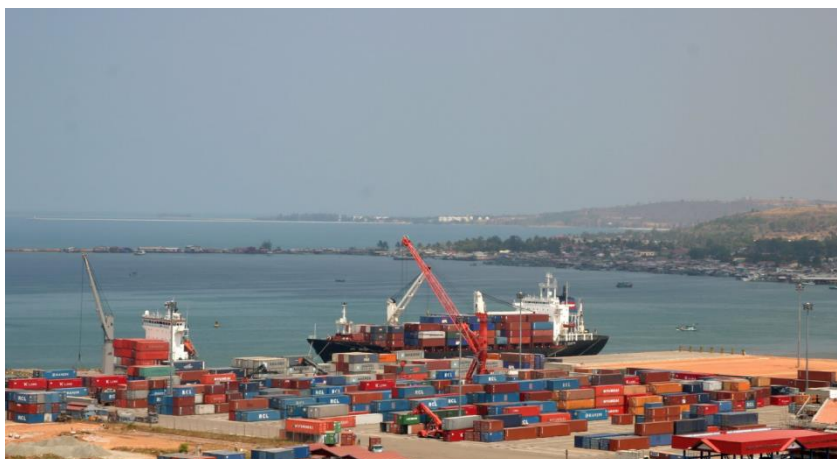
THE DRY-TREAT SOLUTION:

At the time of its deterioration, the jetty was the only one in use in Cambodia's only major port. This meant that urgent repair was required. The marine structure also needed to be protected against future damage, while the country developed its trade infrastructure. Patch repairs were carried out to repair the already spalled concrete cover.

DRY-TREAT 100N™ was then used to seal the 215,278 sq.ft (20,000m^2) area. The impregnating sealer penetrates deep into concrete. This provided the jetty with a superior water-repelling barrier, reducing water penetration into the structure. Retarding water penetration means dissolved salts would not be able to grow inside the concrete cover and spall the surface. By reducing salt spalling DRY-TREAT 100N™ also protected the steel reinforcement from corrosion. Although other ports have now been built, the old jetty at Sihanoukville is still in use today, testament to the superior, long-lasting protection provided by DRY-TREAT 100N™