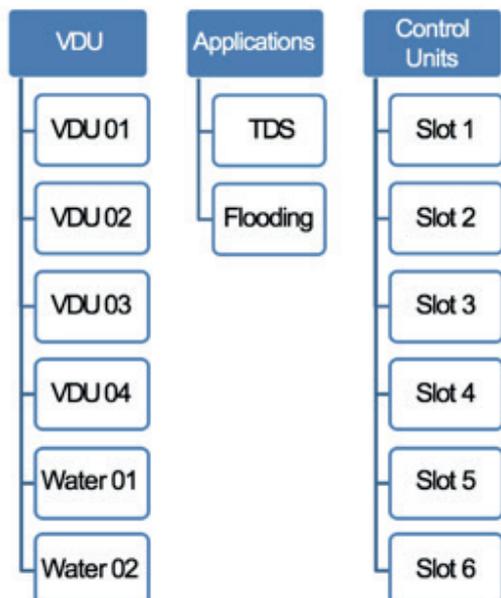
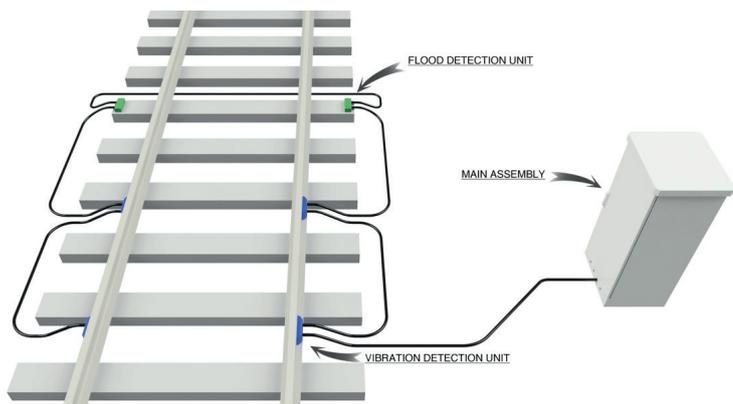
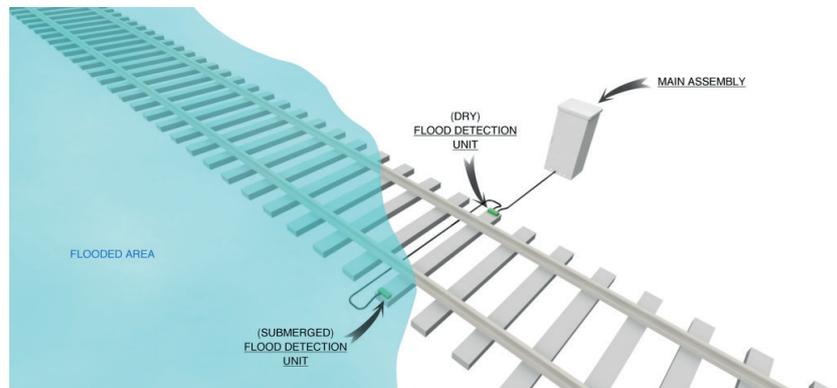


Flood & Wash-out Detection [FDS]

NGRT FDS is a system which detects submerged railway infrastructure that can subsequently cause a hazardous situation. A NGRT Main Assembly with 2 Flood Detection Units per track is installed on the client's infrastructure. The distance between installations can vary depending on the client's requirements. After detecting anomalies and evaluating the type of anomalies, a warning is sent to the customer's specified location or recipient(s), such as the train operations centre, train control centre, infrastructure maintenance team or the responsible track engineers.



The Flood Detection solution is not based on the standard NGRT Vibration Detection Unit functionality. The Flood Detection Units will be placed on the permanent way structure and thus able to detect when water is present or not. We are therefore able to determine when the tracks are under water and when the water has receded.

In addition, fast moving flood water can be detected. Multiple thresholds can be configured to convey alarms related to different water levels.

Figure to the left illustrates how Flood & Wash-Out Detection and Train Detection System are combined together into one Main Assembly Unit.