

The T-Value Method for Working Platform Design

The design of working platforms typically involves the calculation of a two-layer bearing capacity. Many calculation models are quite empirical with imprecise input parameters while other methods have tended to involve multiple design charts and been suited to either strip or circular foundations only. It has also been difficult to incorporate the benefits of geogrid in an accurate way. The T-Value Method has been applied in hundreds of working platform designs across the globe for over four years. It defines bearing capacity simply in terms of the shear strengths of the two layers and can be applied to both clay and sand subgrades. It also allows realistic incorporation of the benefit of multi-axial stabilizing geogrid in terms of the enhanced shear strength of the upper granular layer. This is leading to significant cost savings due to thinner working platforms that are designed in a safe and scientifically rigorous way. The development of this calculation method will be presented at this webinar together with the results of full-scale validation testing.