



# IRIS

## CONSTRUCTION

### Client

Primoris Renewable Group

### Location

Franklinton, LA

### Project Size

13MW

### Module

First Solar Series 6

### Racking

Nevados All Terrain Tracker

### Benefits for construction

Reduced Grading by

# 95%

Reduced Disturbed Land by

# 95%

Reduced cost of installed piles by

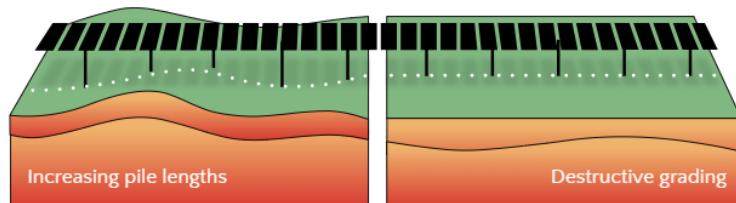
# 8%

### Project Description

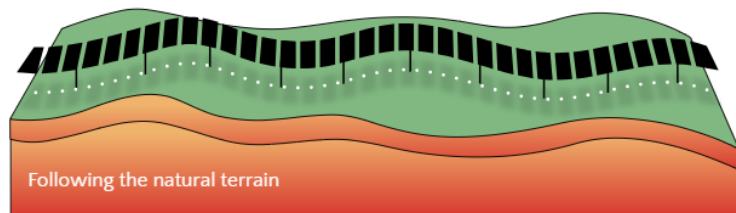
D.E. Shaw Renewable Investments was seeking a robust, but flexible system to increase the site capacity of one of their projects in Louisiana. The Nevados solution was selected to utilize land not accessible by traditional trackers without significant grading.

The site contained slope changes as great as 7.8% at a single foundation (Diagram 1). With the flexibility of the Nevados ATT, there was no requirement for grading. Not only did this support the project economics through reduced civil works, but it also allowed for natural land preservation. When compared with neighbouring areas of the site, where grading was required with other equipment, the Nevados portion offered increased efficiency during construction. The ungraded land was able to drain water more radially after rainstorms, was easier to navigate, and required no soil stabilization effort or reseeding post installation.

#### Traditional tracker



#### Nevados All Terrain Tracker (ATT)



With uniform foundation reveal heights, the structure was easily built at chest height using pre-assembled and auto-aligning bearings. The simplicity of equipment installation allowed the construction team to recover weeks of unrelated equipment and construction delays.

The Nevados ATT effectively adapted to buildable areas of the site to fully maximize available capacity. Where possible, Nevados used shared row ends, sharing the north-most foundation of one row with the south-most foundation of the next. This approach reduced the quantity of foundations and associated tracker components to support in cost-saving efforts.