

The background of the slide features a low-angle, upward-looking perspective of industrial structures, likely a refinery or petrochemical plant. The image is dominated by a semi-transparent blue overlay. On the left, a complex network of dark metal beams and cross-bracing is visible. To the right, large, rectangular glass panels or windows are integrated into the structure, reflecting a cloudy sky. The overall composition conveys a sense of scale and industrial complexity.

Tindall

□.....□

PETROCHEMICAL PROJECTS

TRUNKLINE LNG

LAKE CHARLES, LA | MISSISSIPPI DIVISION



The Trunkline LNG terminal is one of the largest import terminals in the U.S. CB&I approached Tindall to provide an alternative design for their fireproofed steel pipe racks and the tower that rises up the side of the massive LNG tank. The project team selected Tindall because of our reputation and experience for delivering innovative, practical, and economic solutions.



TRUNKLINE LNG (CONT.)

LAKE CHARLES, LA | MISSISSIPPI DIVISION



Tindall's engineering team worked alongside CB&I as the specialist precaster to design a clever structure with discrete elements to emulate cast-in-place construction. Precast provided comparable structural efficiency and durability, including fire and blast resistance, with greater speed and at a lower cost than steel construction. These robust precast components were able to meet both the industrial construction requirements and the harsh environment posed by the plant and marine location.

Unlike the steel alternative, the completed emulative precast connections were fully covered by protective concrete. Once the connections were made, there was no need for the costly and time-consuming secondary work associated with the steel option, like bolt tightening and on-site fireproofing.



M&E GLOBAL

FREEPORT, TX | MISSISSIPPI DIVISION



Tindall began this project with nothing more than basic drawings indicating the scope of work. Working alongside Jacobs Engineering, Tindall took the existing cast-in-place concept and transformed it into an emulative precast solution.

The project used 30-foot-high precast columns to support two steel pipe-rack modules throughout the plant. An equipment tabletop structure and 3D process structure were created by applying Tindall's patented emulative connections. Tindall also provided the precast for two hefty, 40-foot-tall base structures, each supporting a 1,500-ton reactor vessel. The project was completed on an accelerated schedule with significantly reduced site labor.



DOW PETROCHEMICALS B & D

PLAQUEMINE, LA | MISSISSIPPI DIVISION



As is the case with many projects within the petrochemical market, both of the following projects required strict confidentiality. Tindall is committed to meeting the expectations of discretion for all our clients.

For the first project, a polyethylene plant, Tindall was hired to create a series of eight inch thick by 14 foot wide architectural precast wall panels. These components were used for a packing facility, an associated office area, and a motor control center that needed to meet strict blast resistance specifications.

A year later, a second project, a petrochemical plant, required a nearly identical series of components for an office building and two motor control centers. After creating the architectural panels to meet strict blast resistance specifications, 16 industrial transformer separation panels — each 12 inches thick — were added to the scope of the project.

For both projects, the architect and engineer came directly to the Tindall plant to custom select the final sandblasted finish of the architectural panels.



MORE PETROCHEMICAL PROJECTS



DOW PLANT

FREEPORT, TX | TEXAS DIVISION

For this project, Tindall took the existing cast-in-place designs for pipe-racks and process structures and transformed them into a precast plan. The CIP process structures, which were originally estimated to take four or five months each, were erected in just one or two weeks.

[READ FULL PROFILE](#)

POLYETHYLENE PLANT

LAKE CHARLES, LA | MISSISSIPPI & TEXAS DIVISIONS

Tindall created an emulative precast plan for this project's pipe-racks and compressor building. With two massive precast plants just a few hundred miles away on either side of the job, Tindall was able to rapidly engineer, fabricate, and deliver all the required members in nine months.

[READ FULL PROFILE](#)

tindallcorp.com