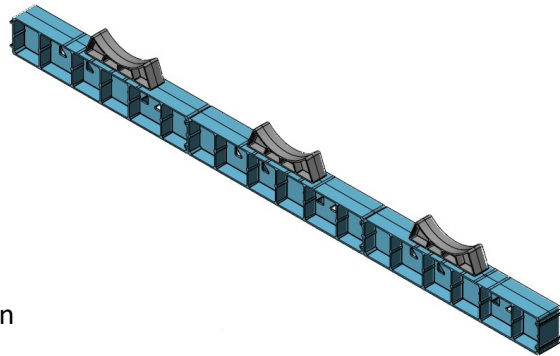


## CASE STUDY: The Koves BEAM ASSEMBLY and CRADLES

Koves Plastic Industries successfully developed a conduit separator for the Transpower Naan project.

Koves developed a plastic 'I' Beam and Cradle, that set the position and height of three 250 mm dia conduits in a two metre deep road trench. Plastic was sourced that met thermal resistivity requirement for the 220 kV conduits. The strong and lightweight design, allows easy transportation, handling and sped up the trenching process. The improved productivity reduced the costs for the contractor and minimised the impact that the open trench had on traffic and communities.

- **Lightweight** Plastic, yet **strong and durable**.
- **Interlocking** to create long length
- Can be Assembled or disassembled with ease
- Built-in **tie-down points**.
- **A two metre Beam assembly**, is only 3.3 kg
- Can be cut to any length, using hand tools.
- Fast easy & safe to handle and no splinters,
- **Custom Colours** available for brand identification
- Cradle sizes can be created for any conduit diameters.
- The number, size and position of Cradles can be factory set.
- Lightweight Beams, **cheaper Transportation**, and **Faster, Easier and Safer handling**
- Improves productivity and **reduces the Fatigue** of those handling the Beams.
- Any waste created in the manufacture of the Beam and Cradle is recovered and reused.
- The plastic Beam and Cradle are energy efficient to produce and non-toxic.
- Any waste created in the manufacture of the Beam and Cradle is recovered and reused
- Non-toxic and more efficient to produce in terms of energy use than concrete
- The life expectancy of the Beam and Cradle in the NAaN project application is **50+ years**



## What can Koves develop for you?

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