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## HIGH-VOLTAGE LINES

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# Slim pylons

How do you design a high-voltage line to minimize the magnetic field it generates while also optimizing visual impact and landscape integration? This was the question that Dutch national grid operator TenneT put to KEMA. With input from consulting architects Zwarts & Jansma, KEMA proposed a bi-pole system based on pairs of slim, 'minimalist' high-voltage pylons. Having the conductors close together reduces the width of the magnetic field that follows the route of the line. As a result, the strip of land beneath the masts where building restrictions apply can be limited. Furthermore, structural simplicity and smooth surfaces add up to a low-maintenance design.