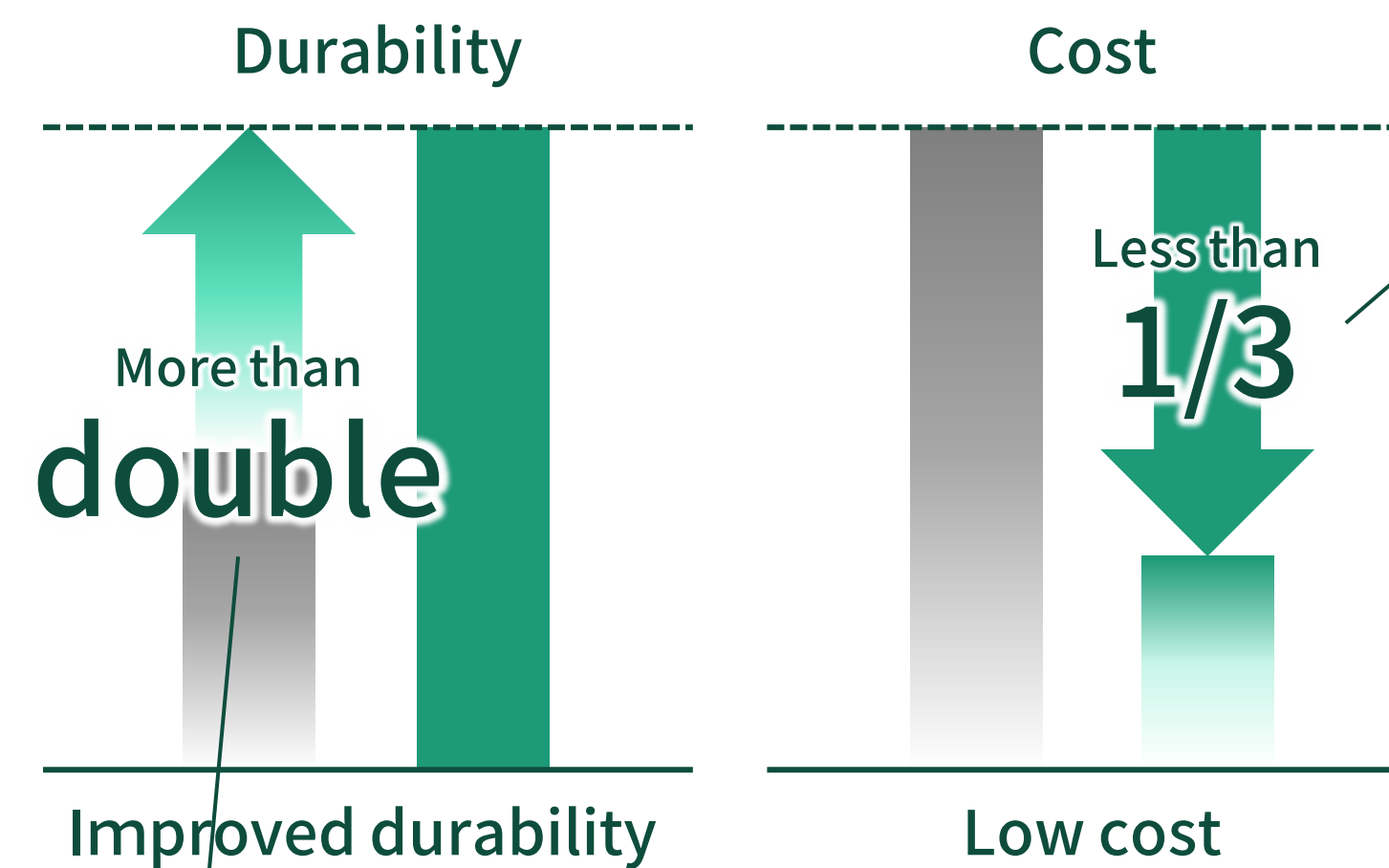


Honda Fuel Cell System

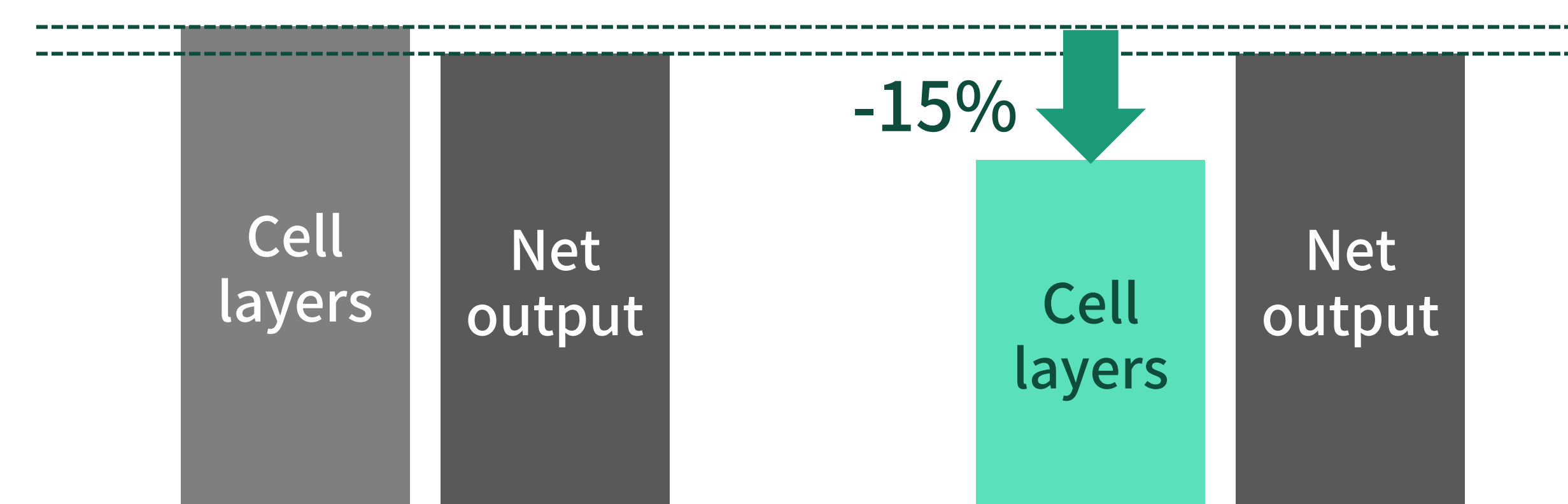
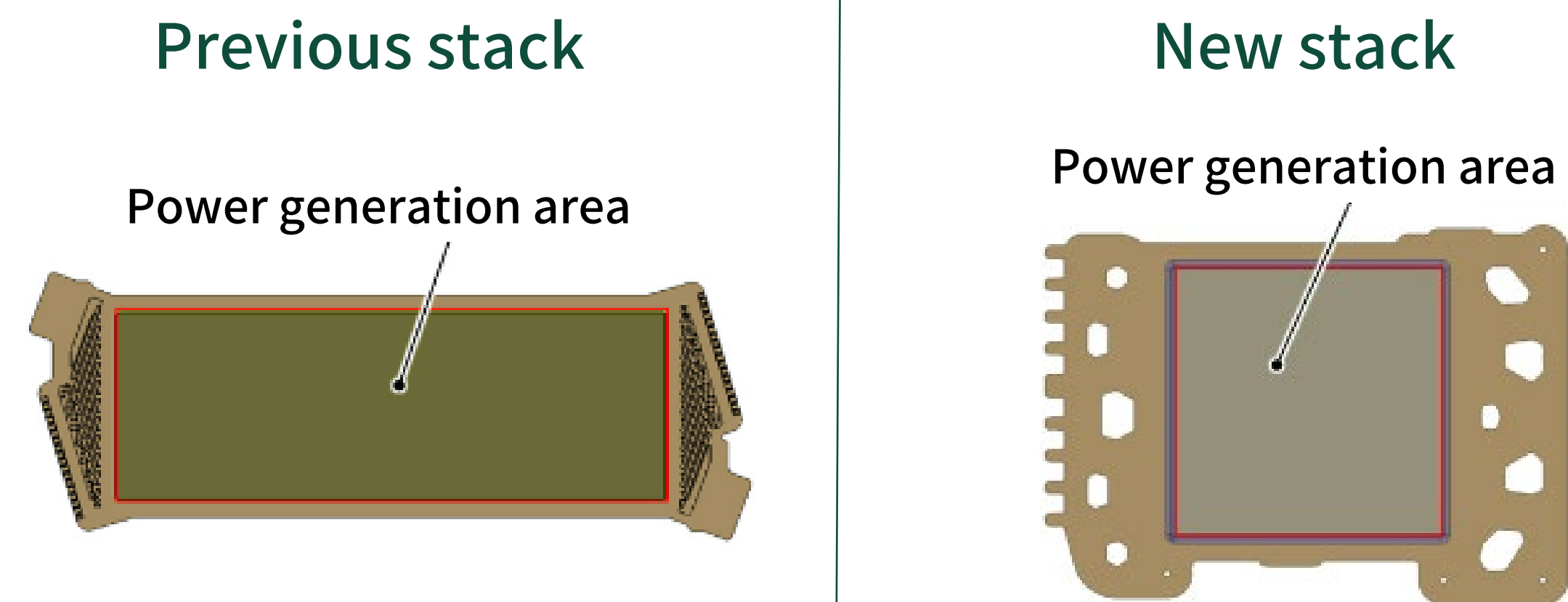
Objective

Promote the creation of a hydrogen cycle, an electrical cycle, and a carbon cycle and strive to become carbon neutral by evolving the fuel cell system.

Next-Generation Fuel Cell System

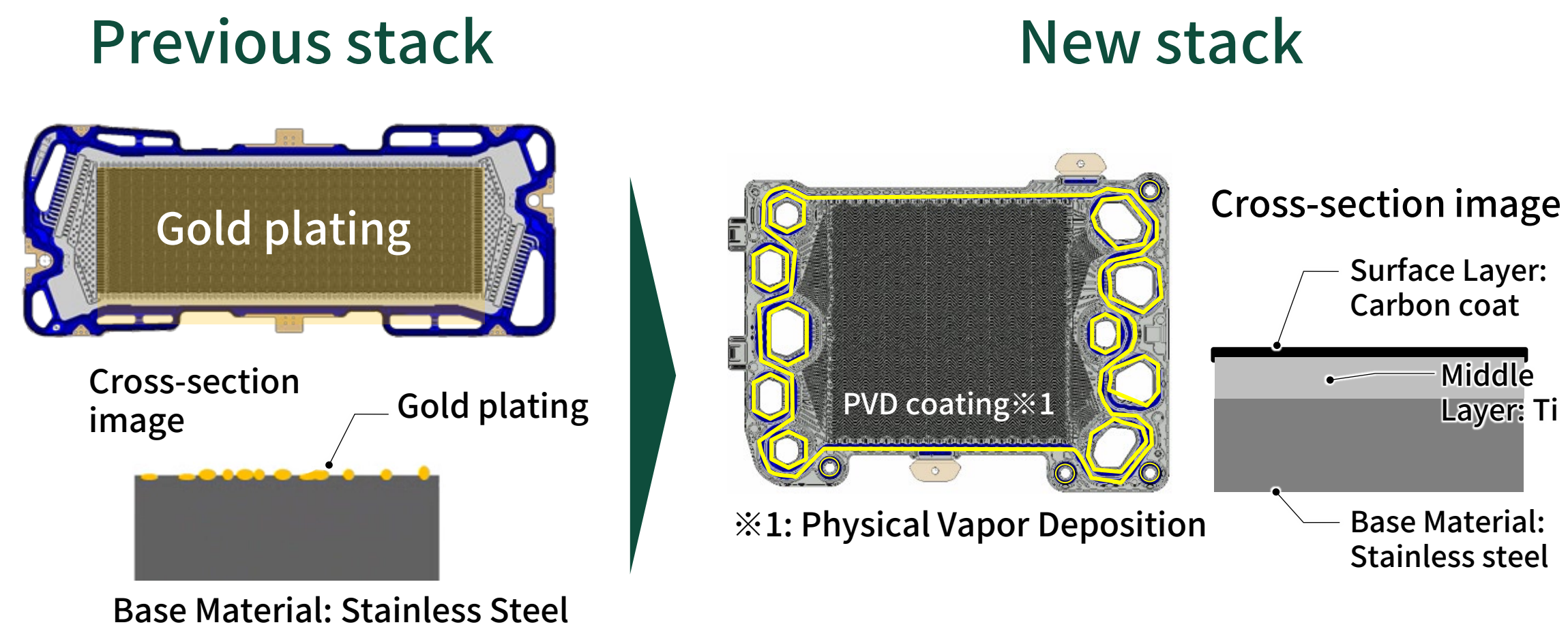


Technology for cost reduction



Along with increasing the output per cell, thoroughly reduced the power consumption of the auxiliary equipment through the application of a highly active electrode catalyst and optimized designs for the gas flow passage and power generation area. While this resulted in a 15% reduction in the number of cells compared to conventional systems, equivalent output was achieved, and the cost was reduced.

Technology for improving durability



Improved the quality of the BPP coating to suppress Fe elution from the stainless steel base material that causes membrane degradation to improve durability. Also, changed to non-gold-plated coating material to successfully reduce the cost.