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The article deals with the use of spatial planning tools serving to improve the quality of space in post-industrial areas along with the possibilities of using modern technologies in the field of renewable energy sources. The analysis was carried out on the example of the Upper Silesian metropolis which occupies about 8% of the region's area with its distinct industrial and post-industrial areas. The urban area determines the image of a region associated with pollutants and a degraded environment. This is a challenge for planners.

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