

**Sustainable maintenance of urban infrastructure through the generation
of renewable energy business revenues
—Research on the “Japanese style Stadtwerke” —**

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[SYNOPSIS]

This research focuses on the "Japanese style Stadtwerke" as a basis for creating the conditions for local economic self-reliance by generating profit, employment, and additional tax revenue for the region/city through renewable energy power generation business, even in the declining population. The purpose is to clarify its impact on the local economy and the public financial requirements for its institutionalization, as well as to investigate status of the established Japanese style Stadtwerke (municipal power supplier) and identify the conditions for their sustainability.

Regarding institutional requirements for the Japanese version of Stadtwerke, it is characterized as an electricity retail/power generation business in which the local authority is involved. The Japanese style Stadtwerke can be defined as an entity that provides public services as its "business content," clarifies "local authority involvement" in ensuring publicity and business continuity, and "contributes to local government finances (avoids tax leakage)" through its business profits.

The next result is a survey on the actual status of municipal power supplier. We conducted a survey of 74 municipal power supplier, which are expected to play a leading role in local decarbonization and local economic circulation. Among many findings, the research especially stressed the importance of improving expertise of municipal employees and building local networks for the future development of municipal power supplier and examined personnel system for this purpose based on previous research.