



Transition track #2 :

Flexible energy management and storage

Tackling **key areas of transition in our cities**

FUTURE PROOFING

our **ENERGY SUPPLY**

As we consume more energy than ever before, our electricity, heating and cooling **infrastructure is struggling to keep up** – especially at peak hours.

IRIS Smart Cities explores ways to meet needs at reasonable costs with **smart energy management systems, new storage techniques** and **connecting renewables**.

What's in it for me?

A world of wonderful new appliances and electric vehicles is only possible with smarter and more flexible energy management. Replacing major infrastructure is extremely costly – and often passed onto the consumer.



Unlocking **new opportunities** for **renewable energy use**



Avoiding power cuts, waste and shortages



Cost savings for utilities and consumers

IRIS Smart Cities INITIATIVES IN ACTION



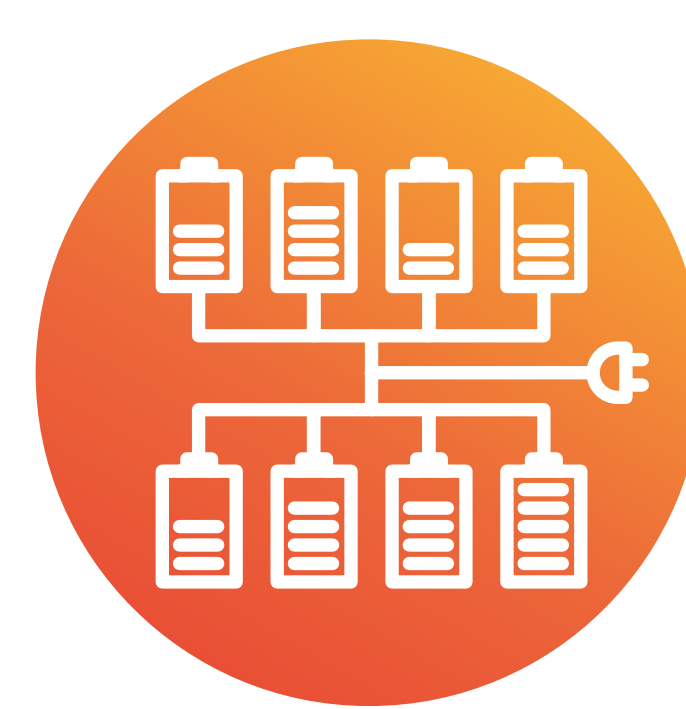
Flexible electricity grid networks

Achieving more...with less! Energy management tools and new storage solutions make installation and use of renewables stress-free and more stable than ever before.



Multi-sourced district heating

Low temperature district heating benefits from excess heat and consumes far less energy than traditional systems. Reduces carbon emissions and integrates well with renewable energy sources.



2nd life batteries

Batteries are reconditioned rather than disposed of. Using them in buildings boosts electricity grid flexibility promoting circular economy solutions with a low environmental footprint .

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