

5 YEARS OF CREATING SMART CITIES IN EUROPE

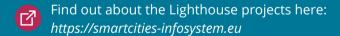
• STOCKHOLM • KÖLN • BARCELONA •

· CORK · SUCEAVA · VALLETTA · GRAZ · PORTO ·

THE EUROPEAN SMART CITY PROGRAMME



- 46 LIGHTHOUSE CITIES
- 70 FELLOW CITIES







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For more information about the **GrowSmarter** project, please visit:

www.grow-smarter.eu

For the Lighthouse Cities, we also have basic project information in the local languages:

STOCKHOLM











MEET THE PROJECT TEAM:

























































cellnex



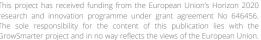




CENIT

















3 LIGHTHOUSE CITIES - 5 FOLLOWER CITIES - 5 YEARS - 12 SOLUTIONS



SQUARE METERS:

125 000m²

SOLUTIONS PLANNED FOR REPLICATION

CITY AVG. CO, SAVINGS: 30-70% IN FULLY REFURBISHED BUILDINGS

SUSTAINABLE VEHICLES **DEPLOYED:**

72

CITIZENS ENGAGED:

>15 000

ENERGY SAVINGS:

SUSTAINABLE GROUTH

IMPROVED

QUALITY OF LIFE

GWH / YEAR or enough energy to heat 1200 apartments in Cologne

www.grow-smarter.eu



12 SMART SOLUTIONS: SELECTED IMPACTS





1. ENERGY RETROFITTING OF BUILDINGS *Up to 76% energy consumption saved*



3. SMART, ENERGY SAVING TENANTS Raised awareness of energy consumption led to 15% electricity savings



2. SMART BUILDING LOGISTICS 56% less time spent by delivery trucks in traffic



4. LOCAL RENEWABLE ENERGY PRODUCTION Up to 65% of communal space energy consumption provided by photovoltaics







5. SMART LIGHTING, LAMPPOSTS AND TRAFFIC POSTS AS HUBS FOR COMMUNICATION CO, reduced by up to 31%



7. SMART WASTE COLLECTION, TURNING WASTE INTO ENERGY Unsorted waste reduced by 66%



6. NEW BUSINESS MODELS FOR DISTRICT **HEATING AND COOLING** 73% of excess heat recovered



8. BIG OPEN DATA PLATFORM Shared data used more efficiently





9. SUSTAINABLE DELIVERY Air pollution reduced in urban areas



11. ALTERNATIVE FUEL-DRIVEN VEHICLES FOR DE-CARBONISING AND BETTER AIR QUALITY CO₂ reduced by more than 100 tons per year with 36 e-vehicle charging points



10. SMART TRAFFIC MANAGEMENT Reduces time spent in traffic



12. SMART MOBILITY SOLUTIONS CO₂ reduced between 60 and 99%



RECOMMENDATIONS FOR CREATING SMART CITIES:



Are you a national or European policy maker?



Are you from local government?



Are you a business?



Read our RECOMMENDATIONS



How to become a smart city in practice Read our REPLICATION REPORT



How to profit from our solutions Read our MARKET INTRODUCTION



How well do our solutions work? Read our VALIDATION REPORT