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| **Together with the New York City Mayor’s office of the CTO we made an inventory of challenges NYC Agencies are confronted with. For which challenge can you offer solutions?**  |
| **Building / Energy Efficiency**[ ]  Manufacturing retrofit air source heat pumps for commercial buildings[ ]  Address Plug loads with smart outlet system[ ]  Incorporate Passive Haus concepts into NYC buildings**[ ]** Alternative Refrigerants**Energy Generation** **[ ]** Integration of distributed renewable energy resources for dense urban environments **[ ]** Floating Photovoltaics [ ]  Building-Integrated PV [ ]  Small scale renewable gas[ ]  Residential Solar Adoption[ ]  Combined Green Roof & PV Systems**Water Management****[ ]** Quantify benefits of the existing Green Infrastructure (GI) progam[ ]  Using private property to manage public water (pay private owners for participation)[ ]  Water conservation through fixture retrofits, water recycling, and reuse, or real-time water quality monitoring (chemical and pathogen)**[ ]** Smart release system for water storage**[ ]** Shifting goals from public to private properties and focusing on roofs for water management**Waste**[ ]  Innovation around transport/use (barge, trains) of biosolids**[ ]** Litter reduction to keep waterways clear (problems with cigarette filters, wipes and solid waste) | **Building Monitoring and Control Systems****[ ]** Flexible fuel tank monitoring systems and associated reporting dashboards for connectivity to legacy systems[ ]  Wireless integration for proprietary control systems[ ]  3rd party module enhancements for CMMS/BMS integration**Energy Storage, Load Management and Peak Shaving****[ ]** Increasing battery storage to weight/size efficiency ration[ ]  Non-flammable, commercial-scale battery technology**[ ]** Analytics oriented solutions (whole portfolio and/or single facility)**[ ]** Automation of load management[ ]  Peak Load Shedding[ ]  Battery storage, technology or deployment innovation**Air Quality**[ ]  Reduce heating oil use in residential and commercial buildings[ ]  Limiting particulate matter emissions from open cookstoves in commercial kitchens[ ]  Enforcement to prevent idling of ICE vehicles**GHG Reduction****[ ]** Urban scale carbon capture and sequestration[ ]  Technology that would help control nitrous oxide emissions from the wastewater treatment plant secondary process**Health**[ ]  Mitigating Urban Heat Island Effect[ ]  Green AC Units / Combined Heating + Cooling Units |
| **Which solutions can you offer to the challenge(s) you have selected?** |
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| **Basic Information about your company** |
| **Year founded:**  |  |
| **Number of Employees:** |  |
| **Country** |  |
| **Last year turnover (€)** |  |
| **Previous business experience with the US:** |  |
| **Previous business experience with other international markets** |  |
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| **Additional information and contact details of the company** |
| **Company description** |  |
| **Contact details** |  |
| **Interest in joining the mission** |  |
| **What do you expect to achieve** |  |