www.about-smartpolis.com

Smartpolis:
Providing Global Solutions

What is Smartpolis?

Smartpolis is an innovative digital service which makes cities more efficient, prosperous and smarter. Through the use of our transformative technologies and IoT (Internet of Things), we are able to provide cloud-based solutions for both citizens and municipalities. Our primary goal is to better connect citizens and municipalities with one another to improve the lives of people, and to boost productivity, health, safety, and connections within the community. We are accomplishing this by supplying a web-GIS engine which can be accessed by both citizens and municipalities. This engine features data relevant to citizens (such as landmarks, transit routes/schedules, business infomation, etc.) and data relevant to municipalities (infrastructure asset managment). Citizens can use our smartphone apps to report damage, crime, and quickly access city-related information.

smartpolis

Our Solutions

Software as a Service for both Citizens and Municipalities

Infrastructure

SaaS

Citizens

Municipalities

Smartpolis brings modern solutions to cities around the world. Until recently there have been serious discrepancies with the way information and services are accessed by both citizens and municipalities. It is messy, complicated, lacking serious data, and it is not intuitive. Quite simply, these systems are flawed, old, and seriously unpleasant to work with.

It is pretty standard that cities have, on average, been slower to adopt technologies that citizens already use on a day-to-day basis. Municipalities need an easier and more holistic way to manage their assets and data. Realizing this we decided to create a universal online engine for cities and citizens on a cloud-based network.

Infrastructure

Managing Infrastructure with Ease and Integrity to Help Cities Save Money

Smartpolis enhances infrastructure by utilizing data to gain and provide digital insights for existing and future developments. With our comprehensive platform, we bring all city data sources together and input them into our highly advanced Web-GIS. From here we are able to provide asset management models and project-based planning for municipalities around the world. We have the capacity to take this one step further with our AR systems. In real time, we have the ability to provide in-depth interactive 3D models that can be used to better monitor and plan city projects in extreme detail. These details help cities increase their capacities by unlocking value in existing and future assets. By organizing data in this fashion, we enable cities to better allocate their financial resources. This in-turn makes cities less dependent on raising taxes and their overall debt. Smartpolis' goal for infrastructure is simple - It facilitates better use of resources and helping make informed decisions that lead to enhanced economic, social, and environmental outcomes.

Asset Management

Municipalities are constantly faced with the need to manage a large pool of aging assets. With limited resources and budget constraints, assets can often be difficult to manage. Smartpolis helps municipalities make informed decisions for multiple asset types to help manage and maximize current resources. This management is carried out by our proprietary GIS. Our GIS captures, integrates, and organizes data for infrastructure assets, providing real-time information necessary to make knowledgeable decisions on repairs, maintenance and future ventures.
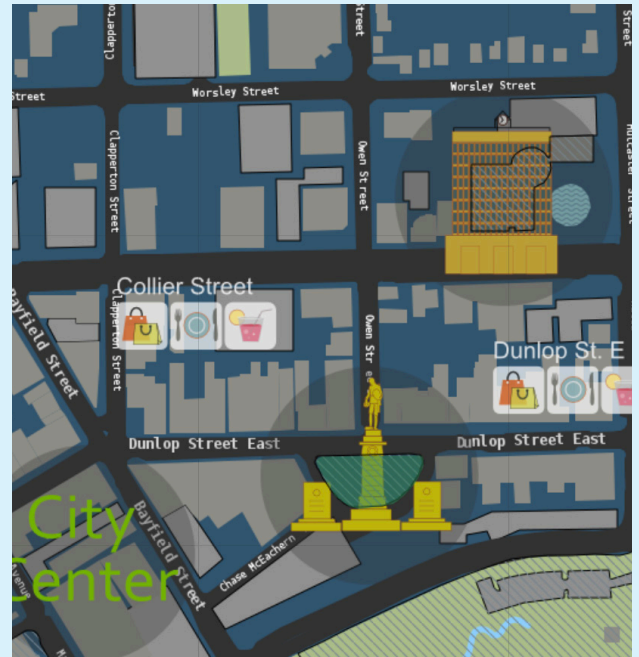

GIS

Municipalities collect mountains of location-based data. However, many municipalities do not put this data to good use and thus, leave it unused and inaccessible. By not using this precious data, important decisions cannot properly be made. With Smartpolis, we help municipalities get organized by integrating their data into our proprietary web GIS, providing a service that enhances both decision making and communication. As a result, Smartpolis helps municipalities understand issues and helps them develop solutions. We accomplish this through rigorous analytics and through the collection of data. By analyzing data, we help municipalities notice patterns and further enable them to make data-driven decisions. We rapidly collect data which is then organized in a way that can be shared on our portal with both the municipality and/or public. By combing both our analytics and collections, municipalities can better communicate with citizens and coordinate responses for services and community safety.
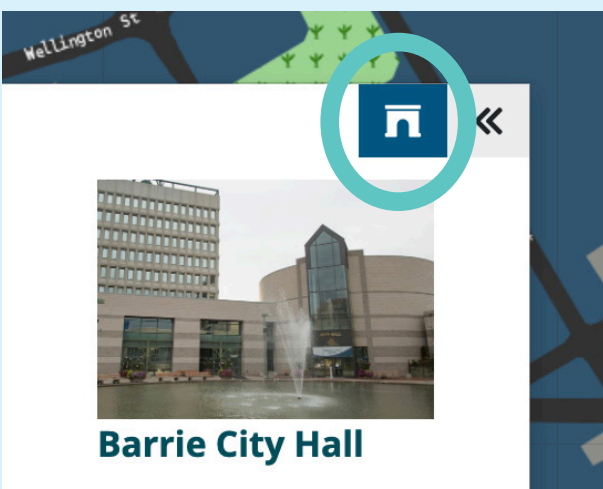
Augmented Reality (AR)

Dramatically Changing the Way Citizens and Municipalities Interact with Structures

Smartpolis integrates AR to created lifelike, interactive 3D models for all users. These models are integrated into our maps and applications which are easily accessible on either a mobile device or computer.
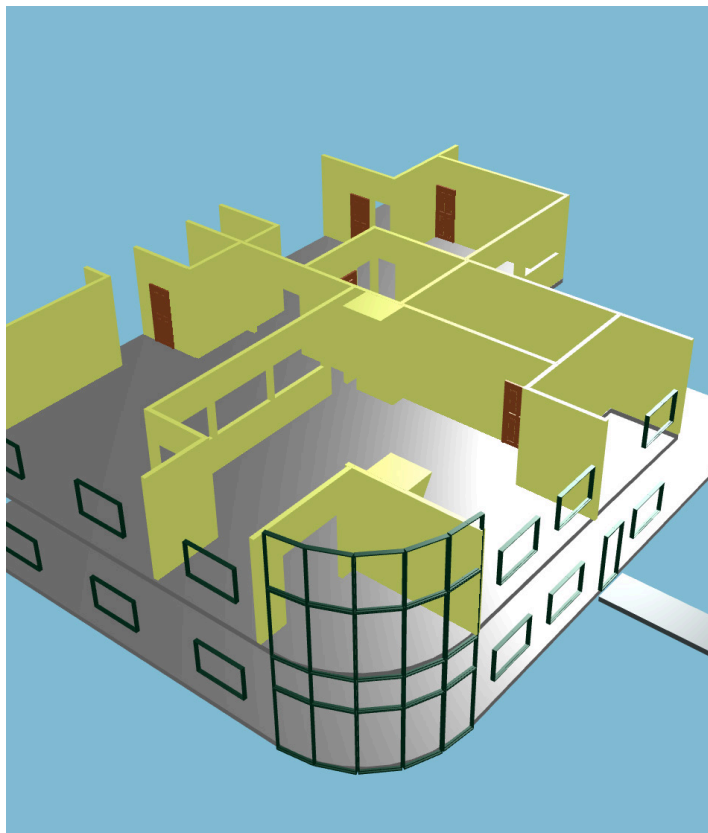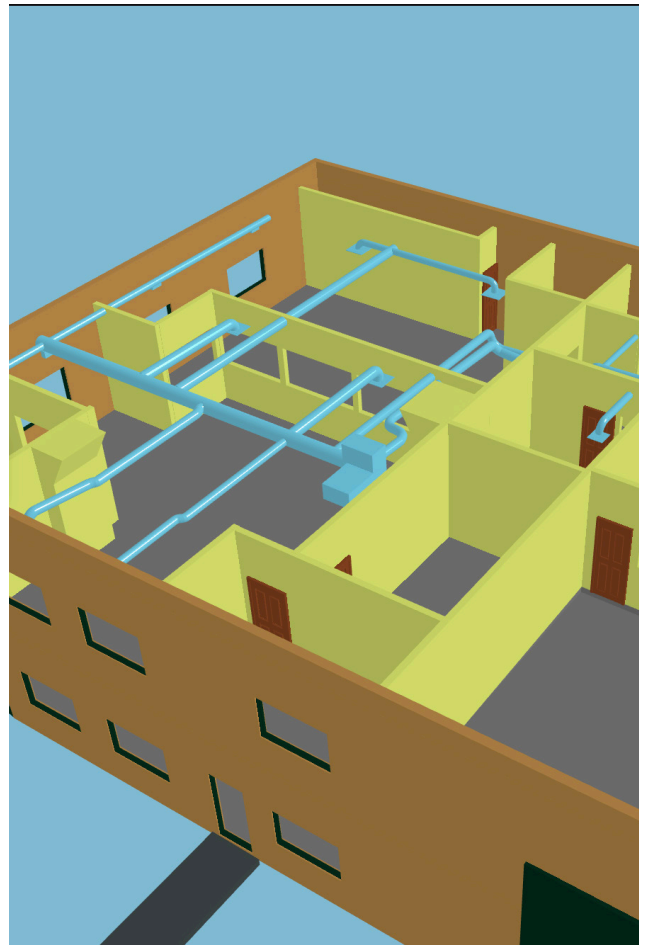

Citizens & AR

Barrie City Hall

The large metropolitan areas of modern cities can often be difficult to traverse and navigate. Most citizens tend to rely on their smart phone for navigation but even this is not sufficient. With AR, Smartpolis can drastically improve the navigation experience for citizens by adding a new layer to smart navigation. With our technologies, users will be able to index the buildings, monuments and attractions around them simply by interacting with their city from a connected device. We offer the ability for citizens to have real-time 3D access to layouts, routes, general information, user communities, businesses within buildings, and much more. With AR we aim to create the best possible user experience for citizens and visitors.

Municipalities & AR

Keeping track of city assets and infrastructure projects is often a daunting task for municipalities. With the help of Smartpolis' AR capabilities, municipalities will have access to detailed 3D models in real-time. These models will include important public structures, utilities, and any other infrastructure or city project. This allows municipalities to manage assets and projects more efficiently and safely, ensuring their success and longevity. Our models can also help cities plan for the future. For new projects, municipalities can get a better sense of how new work will fit within the existing urban landscape. Our AR models will help cities plan and map out future construction projects ensuring their timely and proper completion. Through AR we help municipalities organize and accomplish their goals.
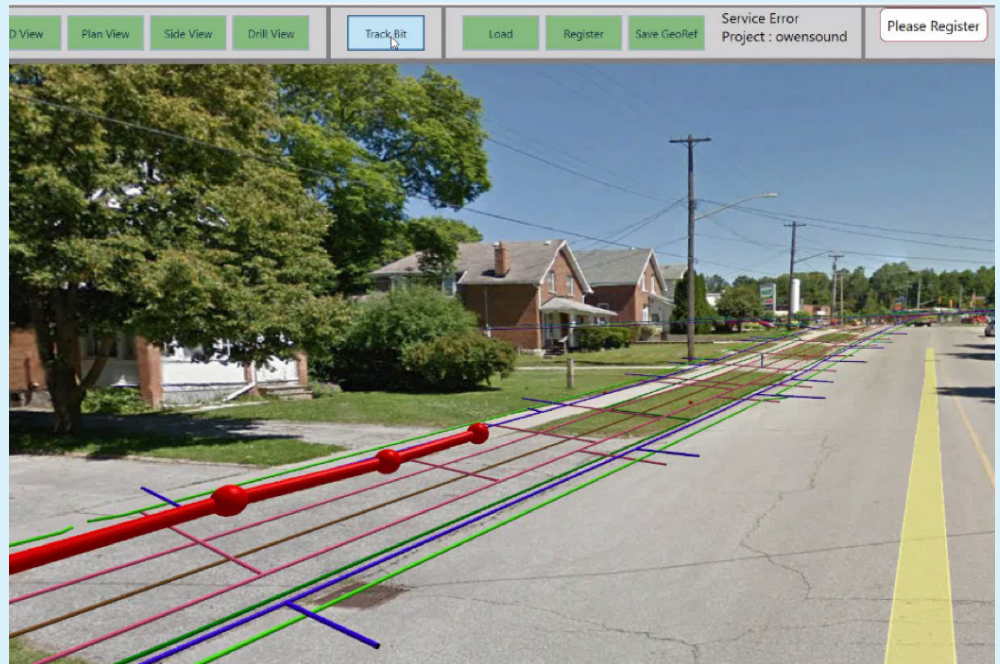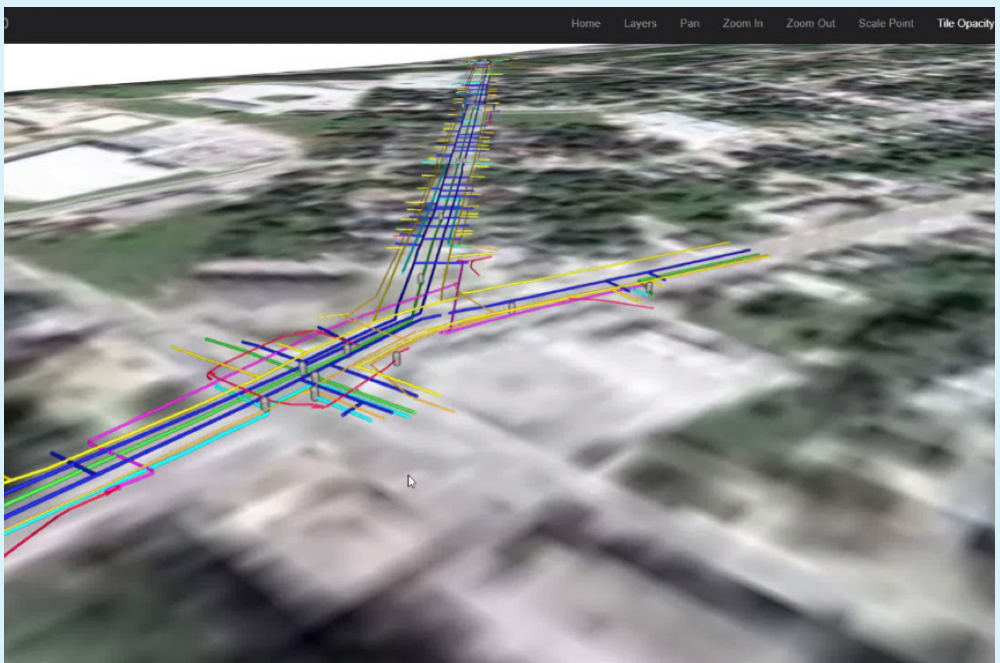

Emergency Response & AR

Smartpolis AR integration provides emergency responders with a second set of eyes. With our interactive 3D models, emergency responders are able to easily navigate structures and diagnose the cause of the issue. In real time, ER can find out where the issue is being cause and what specifically is causing it. Emergency responders are then better able to tackle issues that require immediate attention. This ability to offer 360° structural accessibility is a capability that is not only exciting, but something that can save numerous lives and structures in the future to come.

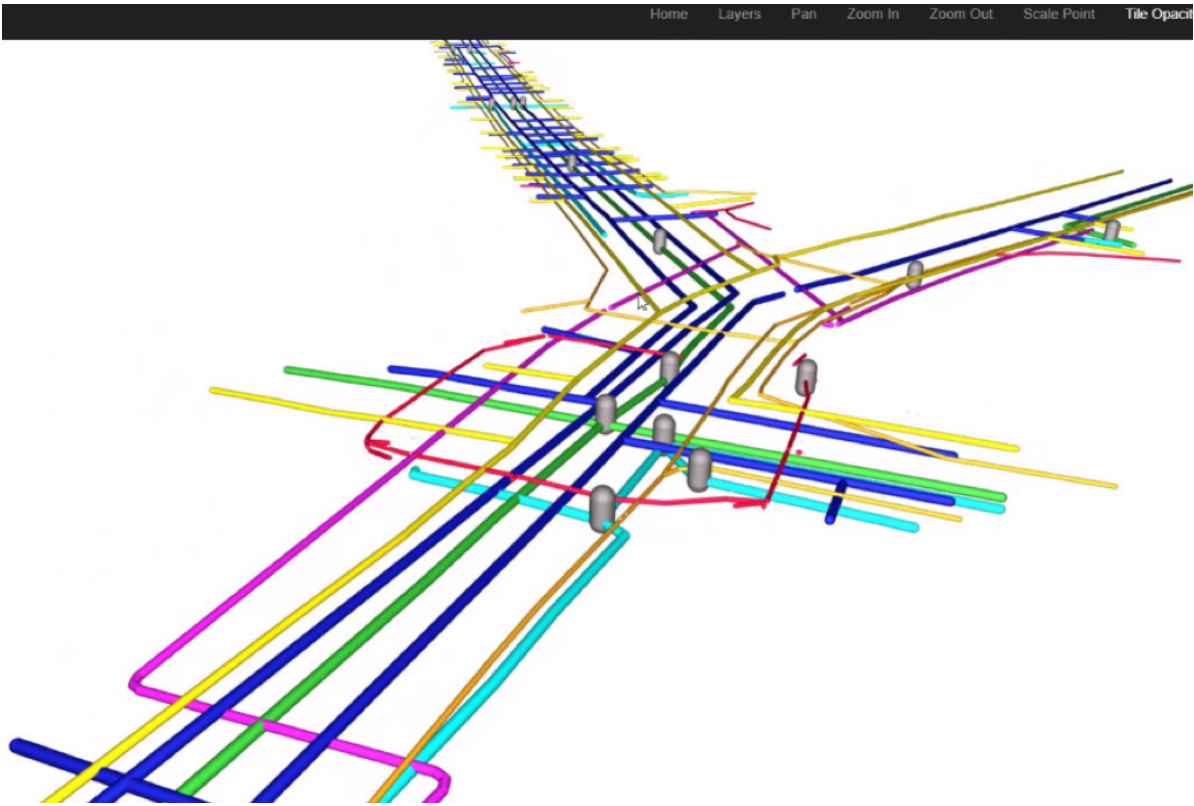# Smartpolis Infrastructure & Augmented Reality Systems In Action

Easily visualize pre-existing infrastructure as well as proposed assets with our augmented reality systems for municipalities, utility clients, and emergency responders. Cut down on time, expenditures, and taxes by knowing exactly where infrastructure is at all times and dramatically reducing damage to assets. Our AR technology features accuracy at the highest standard.
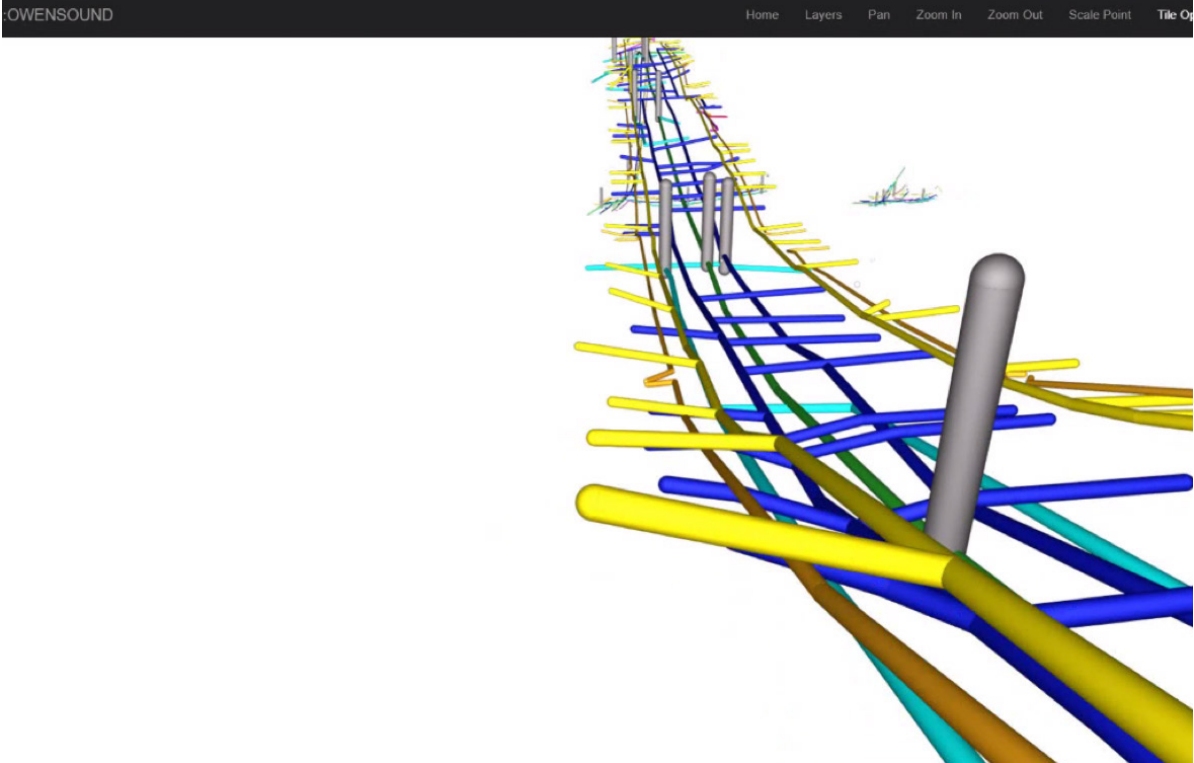

View infrastructure spread over large or small geographic areas on maps, color coded for easy reference. Also view infrastructure and assets with the option to remove maps for clarity.
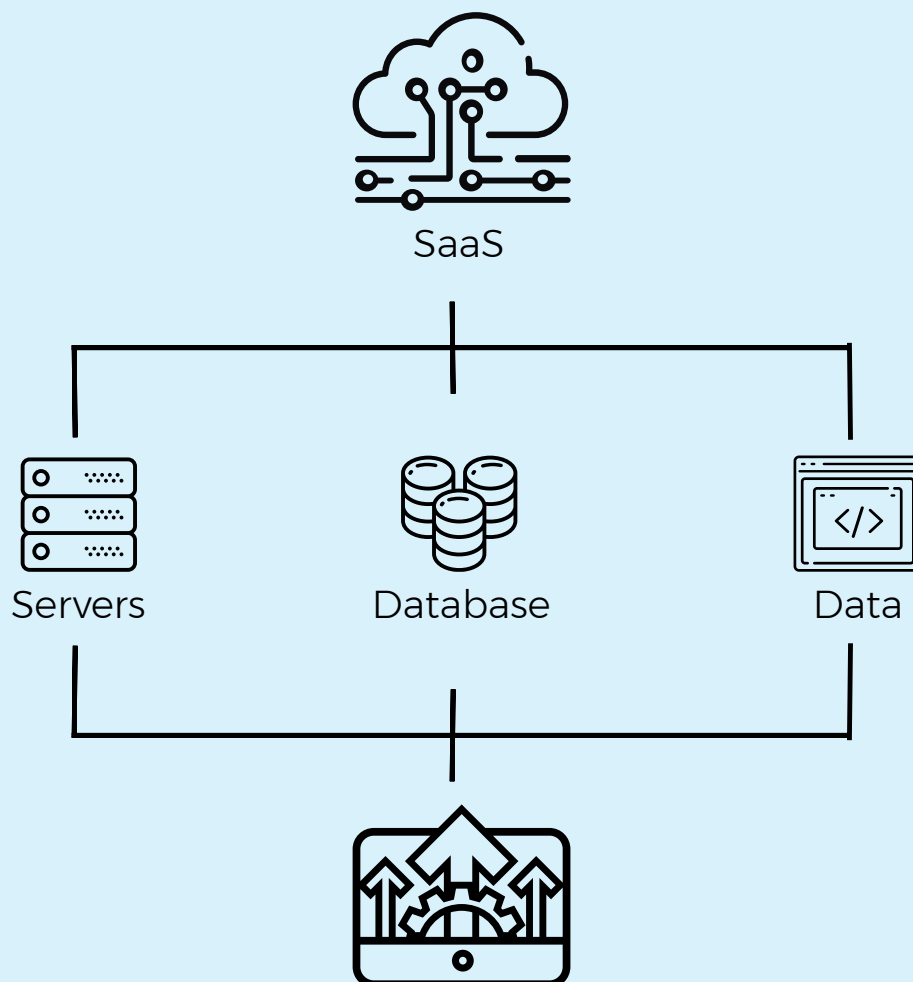
We integrate mapped underground infrastructure, municipal maps, and proposed utility construction, to create a holistic and interactive 3D model. By utilizing our 3D model we can view current conflict points and ongoing adjustments, ensuring that we create a final model that is used to satisfy all criteria laid out by engineers and city planners. We further utilize our model to monitor to and map build deviations during the construction of a new utility. We use cutting edge proprietary augmented reality (AR) systems which have been designed on all subsequent stages of construction and assent of the installed utility.

Software as a Service (SaaS)

Utilizing IoT to Provide Services

Smartpolis is cloud-based software that is utilized entirely on the internet. As the providers of Smartpolis, we host a combination of servers, databases, and code to create applications that can be accessed by users from connected devices. Because Smartpolis is cloud-based, we are able to provide a seamless and on-demand experience for all users. To make our software more organized, we distribute our services with two distinct log-in portals, one for citizens and another for municipalities, each with different permissions and access to information. These portals bring power to a city's flow of information, services, and data to any user, anywhere in the world, at any time.

SaaS

Servers   Database   Data

Citizen Solutions

We Put the City in the Palm of the Citizen

Citizens are provided with on-demand and real-time access to maps, events, forums, public information and municipality services. Whether you want to check on a city budget, voice an opinion, vote, find a local restaurant, or even check the status of your permit, our portal enables citizens to engage how they want, when they want!

Smart Apps

Through utilizing cloud services and the ubiquity of mobile technology, we are able to put the city in the palms of the citizens. We have numerous applications which will provide citizens with multi-level functionality, enabling them to better respond in their community. Smart applications such as enabling citizen participation in fighting crime, updating municipal infrastructure, or even paying a parking ticket, can all be done from your mobile device. Our system has the capacity to send out notifications during the time of an emergency as well. Whatever your need may be, we provide access wide variety of categories creating limitless possibilities to ensure participation, accelerate processes, and to ensure safety.

Maps

Manoeuvring a city is never easy. Directions can be misleading, and sometimes the information displayed is inaccurate. Smartpolis provides users with maps that showcase all your city has to offer. By making use of our GIS (geographic information system) we are able to provide citizens and tourists with detailed maps so they can plan their next destination. If you are looking for a specific restaurant, park, pharmacy, or a historical monument, our maps will steer you in the right direction.
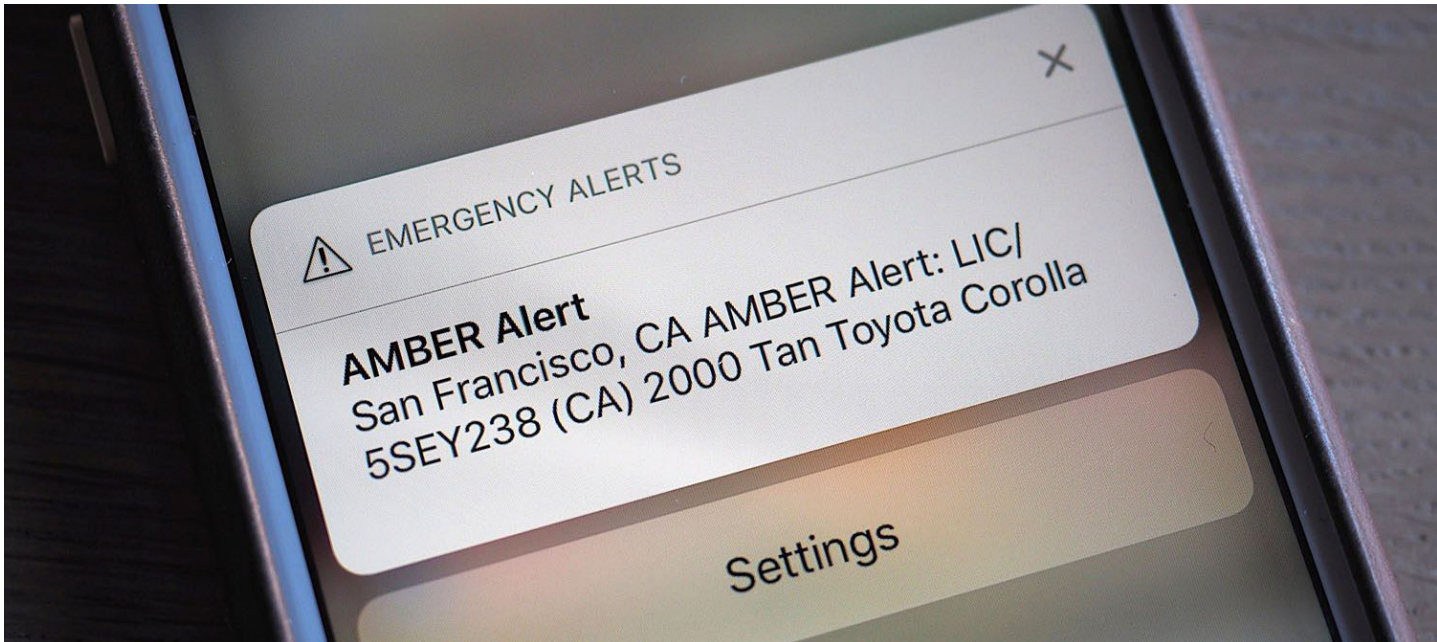
Transit

It is sometimes argued that public transit is not the most reliable mode of transportation. However, Smartpolis aims to change this opinion, by making public transit more efficient and accessible to users. Smartpolis revolutionizes public transit by providing real-time bus routes, schedules and interactive maps. Through the use of our system, citizens can better plan their trip making sure to never miss a bus or get off at a wrong stop.

News & Alerts

It is important to stay up to date with current events and phenomena in a particular city. Smartpolis provides real-time access to citizens, allowing them to view current events and receive alerts for potential hazards and emergencies. Our system keeps citizens engaged and alert at all times.

Flexible Information

Most citizens would agree that accessing information on their city is not the easiest of tasks. Most information is jumbled, unorganized, and sometimes out of date. Smartpolis understands this and has now revolutionized the way in which information can be accessed. Whether you are looking arts, culture, by-laws, regulations, or tax information, our system acts as a one stop shop for all inquiries. By organizing and localising this information, citizens are better able to understand their city and their obligation to it.

Voting & Public Opinion

When it comes to deciding the future of a community it is important that all residents are involved and have the opportunity to share their opinions. Smartpolis enables users to vote on public affair issues, thus streamlining the process and helping to reduce voter apathy. Our system also provides a forum for communication where citizens can present their infrastructure challenges and can get information about various issues through participation. The key is utilizing a community and finding answers and solutions within it. Regardless of the situation or issue, we provide citizens with the opportunity to get involved and, most importantly, to stay involved.

Paying Taxes & Fines

Paying taxes and fines are obligations that citizens must fulfill, but can at times be difficult due to outdated and complicated online systems. Instead of making payments easy, these systems cause frustration, errors, and can be extremely time consuming to navigate. With Smartpolis, we are able to do away with these legacy systems and create a streamlined way for citizens to pay their dues. With our portal we are able to present a clean and organized interface, so you know where to go and can quickly pay outstanding amounts.

Municipality Solutions

Giving Municipalities the Tools they Need

Smartpolis equips municipalities with the tools to address common issues of information sharing and technological limitations. Currently municipalities have a hard time integrating all of their practices and modes of communication which limits the way in which they manage, carry out services and interact with citizens. Smartpolis revolutionizes the way in which municipalities operate, respond, and plan. Our digital solutions enable municipalities to overcome many modern obstacles, helping them effectively serve their citizens, manage work and provide general services. The goal is to help municipalities operate at peak performance in order to properly deliver services in the here and now and into the future.

Bidding

Cities are always committed to securing the best products and services for their citizenry. However, this process can often be tedious and difficult for both those submitting bids and the municipalities that manage them. Smartpolis does away with archaic methods of bid submission and moves the entire process online. Our 100% environmentally-friendly method provides a vendor dashboard that allows for quick access to active opportunities and bid history. We provide automatic notification of new opportunities and reminders, as well as the ability to view bid results. Our methods lend a helping hand in getting things submitted faster and more efficiently.

Services for Citzens

By providing citizens with more ways to interact with their city, municipalities have the ability to work with citizens to improve how services are delivered. Through the use of our mobile apps and portal, citizens can easily report problems and for the proper department to receive the request. This ensure that the right response is issued and provides all the information necessary for addressing the enquiry. From citizens asking a basic question, to reporting a power outage, municipalities are better equipped to respond. Municipalities can leverage our system to further check the status of inquiries and to conduct analysis and receive reports. We are trying to help build a municipality that citizens trust and that properly utilizes its available resources.

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