

Negotiating Social Value - Crisis at Fuel Safe (B): Fuel Safe Confidential Instructions - Ava Delgado's Team

TheCaseSolutions.com



Internet of Things (IoT)

- System consisting of anything capable to be assigned a unique IP address and communicate, transferring information over a network.
- A common meaning for use of IoT of connecting objects and using them to collect.
- Smart health monitoring devices.
- Industrial monitoring sensors and devices.
- Physical objects in general can be expected to be connected to things in the cloud through their own IP address.

TheCaseSolutions.com

IoT Enablers

- 50% of the world has access to mobile internet.
- 50% of the world has access to mobile internet.
- Electronic communication will help and reduce the cost of communication and will reduce the cost of electronic devices, which will help companies to develop better IoT products in the future.

TheCaseSolutions.com

IoT Challenges

- Security of data and information is a major challenge for IoT. It is difficult to ensure confidentiality, integrity, and availability of data.
- Privacy is a major concern for IoT. It is difficult to ensure that data is not misused or shared with unauthorized parties.
- Interoperability is a major challenge for IoT. It is difficult to ensure that different IoT devices and systems can work together.
- Scalability is a major challenge for IoT. It is difficult to ensure that the system can handle a large number of devices and data.

TheCaseSolutions.com

HPE's Areas of Expertise

- Transformation to hybrid infrastructures.
- Protection of digital assets.
- Empowerment through behavioral analytics.
- Enhancement of workflow productivity.

TheCaseSolutions.com

CSP Interest in IoT

- CSPs are looking for leadership in 4G LTE and 5G. They are looking for ways to monetize the large amount of data generated by IoT devices.
- CSPs are looking for new revenue opportunities. They are looking for ways to monetize the large amount of data generated by IoT devices.
- CSPs will invest in IoT. They are looking for ways to monetize the large amount of data generated by IoT devices.

TheCaseSolutions.com

HPE IoT Platform

- HPE IoT platform is a cloud-based IoT platform that provides a secure and scalable environment for IoT devices.
- Can be fully deployed on the cloud, CSP partner or in a hybrid environment.
- Development of new capabilities on top of the platform for target IoT use cases such as Smart Energy Management, Smart Manufacturing, etc.

TheCaseSolutions.com

HPE Smart City

- IP connectivity for smart street lights to enable communication with the HPE platform.
- Information analysis through device specific applications.
- Enabling management of individual lights and monitoring of environmental conditions for tuning lighting plant operation.
- Increased power efficiency, public safety and more in deployment of future municipality projects.

TheCaseSolutions.com

Conclusion

- Between 4-5 billion smart devices are expected by 2017.
- Promising return on investment opportunities through monitoring and automation through IoT enabled services.
- The challenges of IoT are in line with the 4 main areas of expertise of HPE.

Negotiating Social Value - Crisis at Fuel Safe (B): Fuel Safe Confidential Instructions - Ava Delgado's Team

TheCaseSolutions.com





Internet of Things (IoT)

- System consisting of any**thing** identifiable by an assigned unique ID and capable of autonomously transmitting information over a network.
- Autonomous referring to its own ability of generating content and sending it over a network.
- Smart Health monitoring devices
- Information transmitting sensors of all kinds
- Physical objects in general can be extended to be "smart" by having an electronic attachment that is able to perform the aforementioned activities.

Thecasesolutions.com

IoT Enablers

- 90 % of the earth has some form of internet connectivity
- IPv6 has the capacity to provide unique IP Address to every atom on the earth's surface
- Electronics, communication software and network infrastructure are in-place and can be utilised with significantly reduced cost compared to previous years (IoT concept born in 1999)

Thecasesolutions.com

IoT Challenges

- Security of individual components due to usually their limited computing capabilities. Jeopardising truthfulness of data.
- Currently, most web data is human generated; Larger scale IoT adoption will result in huge amounts of content that needs to be analysed into actionable information in a timely manner.
- Overall network security and use privacy in futuristic scenarios like smart cities where control automation is in-place.

Thecasesolutions.com



HPE's Areas of Expertise

- Transformation to hybrid infrastructure
- Protection of digital enterprises
- Empowerment through Data-Driven Analytics
- Enhancement of Workplace productivity

Thecasesolutions.com

CSP Interest in IoT

- CSPs are striving for leadership in M2M and IoT communication due to the expected huge growth of connected devices in foreseeable future across different industries.
- CSPs are looking for new revenue opportunities and are more likely to win the IoT field compared to OTT players as they have more expertise in the network infrastructure field.
- CSPs will, however, need to adapt and compete in the market and are likely to seek collaboration for joint solutions.

Thecasesolutions.com



HPE IoT Platform

- Enables a joint effort between CSPs and HPE to provide a IoT architecture to CSP clients
- Can be fully deployed on the cloud, CSP premise or in a hybrid manner
- Development of new applications on top of the platform for target IoT interested sectors. (HPE Energy Management Pack)

Thecasesolutions.com



HPE Smart City

- IP connectivity between street lamps to enable communication with the HPE platform
- Information analysis through domain specific applications
- Enabling management of individual lights and monitoring of environmental conditions for tuning lighting plant operation.
- Increased power efficiency, public safety and ease in deployment of future municipality projects

Thecasesolutions.com