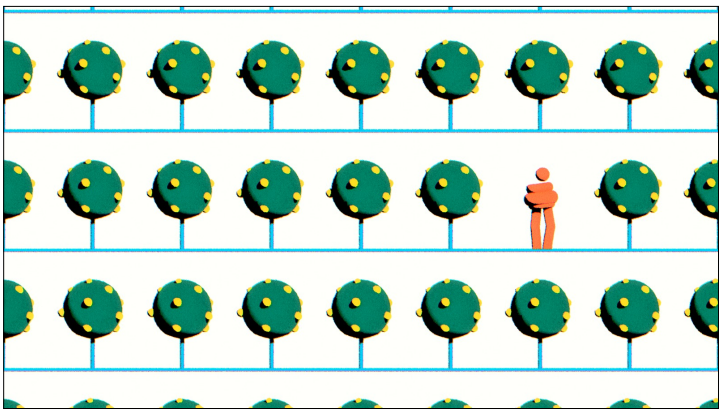
# STORY_WOT



Boards: 31 | Shots: 27 | Duration: 1:02 | Aspect Ratio: 16 : 9
DRAFT: DECEMBER 18, 2020

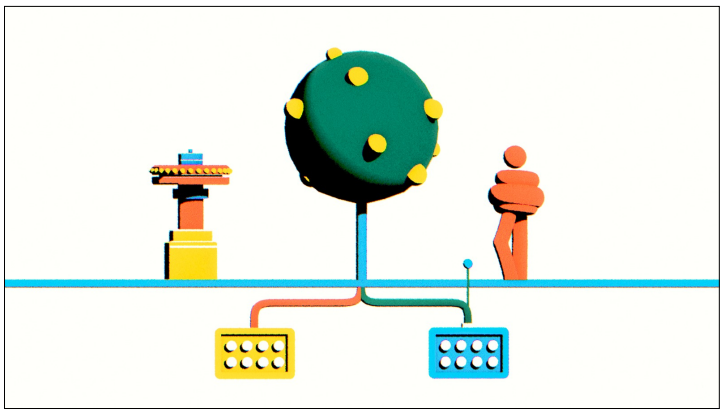
1A 0:00



**A farmer is looking for ways to increase productivity while maintaining excellent product quality.**

*The farmer in the field*

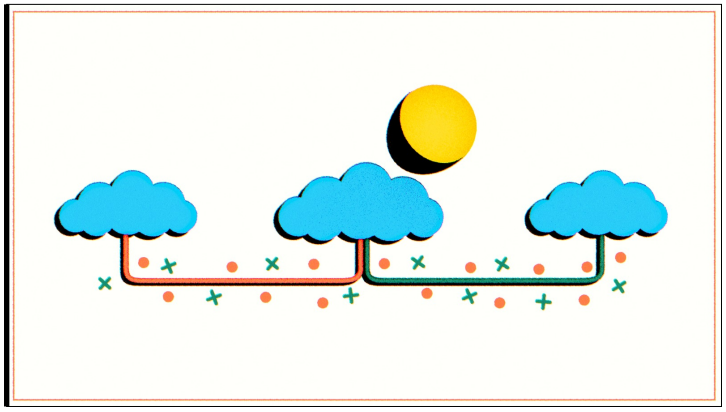
1B 0:02



**To monitor and control growing conditions, the farmer plans to install humidity and temperature sensors, and a sprinkler system.**

*Zoom into the scene, the sprinkler and sensors pop up around the tree.*

2A 0:04



**Weather forecast data from an online web service would also be useful in order to predict watering requirements.**

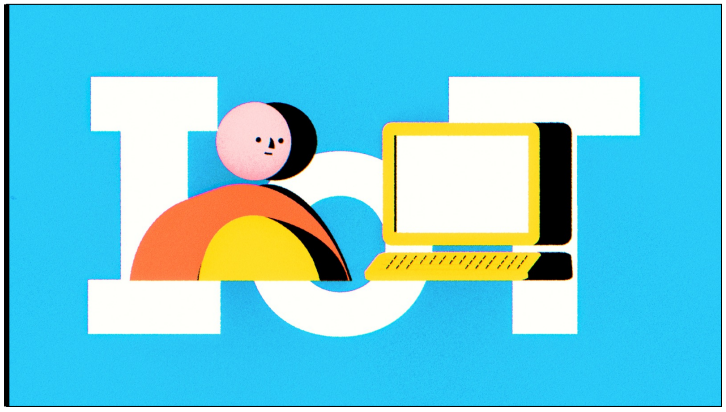
*Clouds whith a link between them to show the online service.*

3A 0:06


**The farmer decides to engage an IT consultant. He would like to use the developer of their web presence to realize an IoT solution.**

*Split-screen with a search bar and a keyboard. We see the text typed in.*

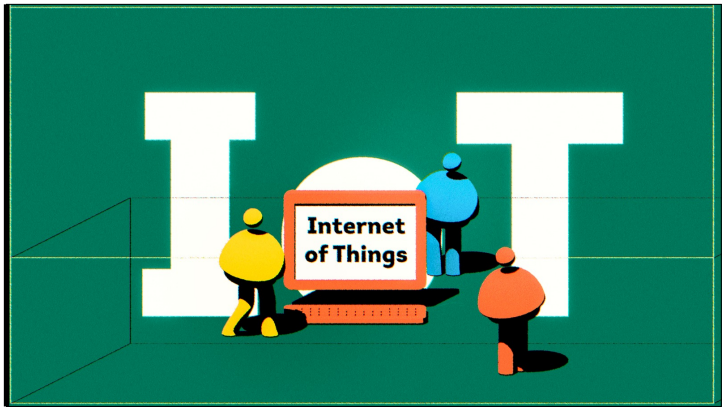
4A 0:08



**The developers at Web Agency like the new challenge ...**

*First "IoT" appears on the screen, then the developer with the computer.*

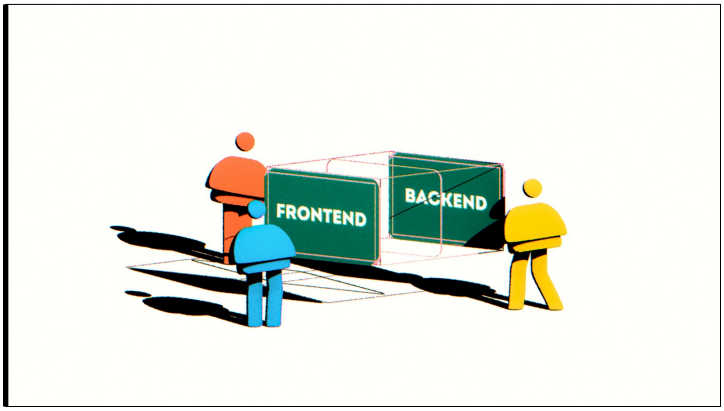
5A 0:10




**... and are willing to broaden their existing IoT knowledge.**

*The camera zoom out to see the agency with several developers.*

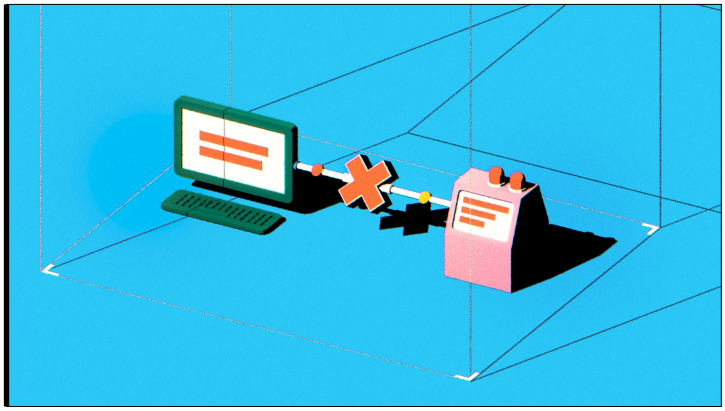
**6A** 0:12




**They are experts in both web frontend and backend technologies.**

*The camera turns around to see their domain of expertise.*

**7A** 0:14



**However, they are worried about the interoperability problems that they experienced in a previous IoT project.**

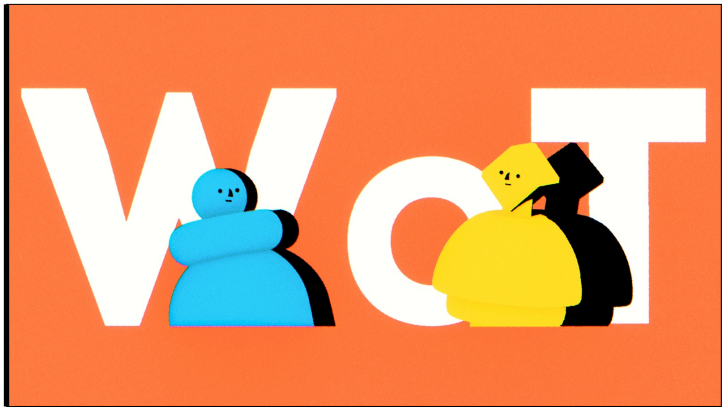
*A computer and a device pop up, with a link between them, broken.*

**8A** 0:16


**After searching online for a solution, the developers find information on the Web of Things.**

*Split-screen with a search bar and a keyboard. We see the text typed in.*

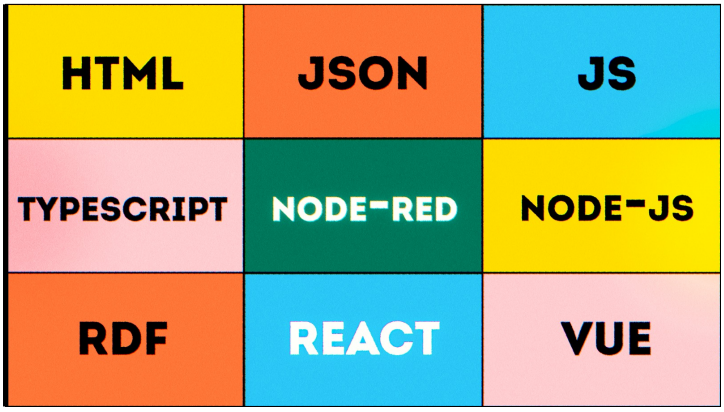
**9A** 0:18




**WoT is a W3C activity that enables Web developers to become IoT developers ...**

*First "WoT" appears on the screen, then the developers.*

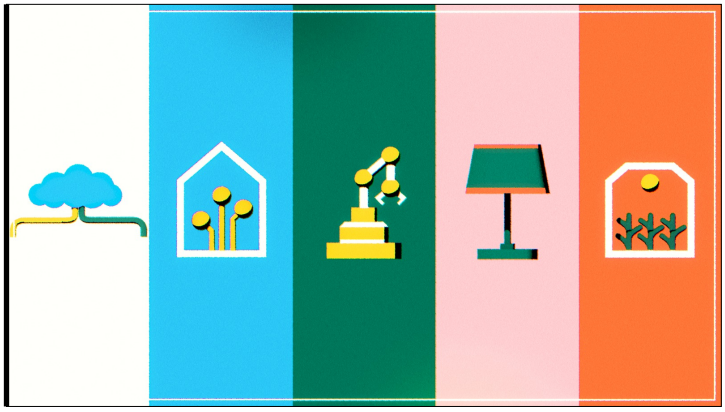
**10A** 0:20




**... using the technologies, tools, and frameworks they love.**

*Different tools show on screen.*

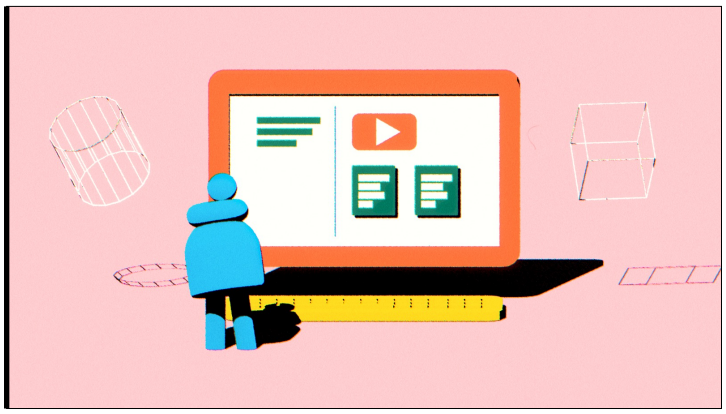
**11A** 0:22



**WoT can be applied to many different IoT domains, such as Manufacturing or Building Automation, but is also applicable to the farmer's problem in the Agriculture domain.**

*Each category appear on screen, then Manufacturing, Automation and Agriculture are highlighted.*

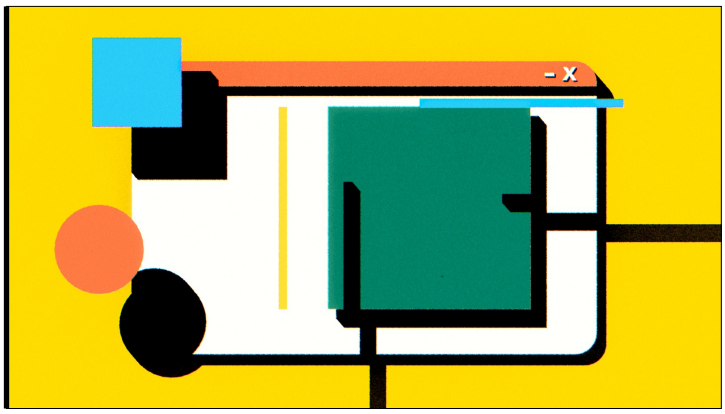
**12A** 0:24



**The developers are happy to find a bunch of WoT tutorials.**

*Symbolisation of the tutorials on screen with videos, documents ...*

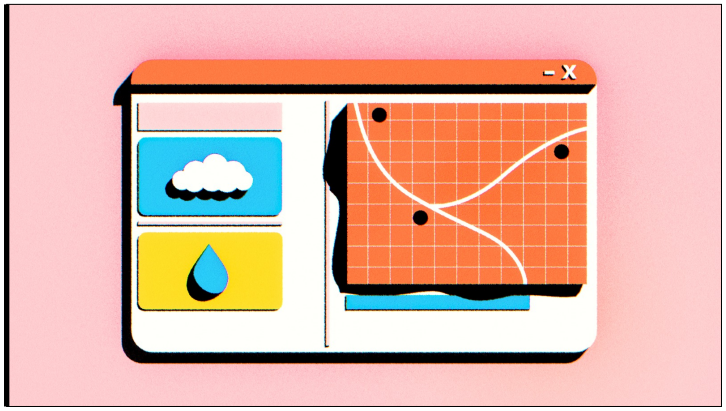
**13A** 0:26



**For example, with node-wot, various protocols like HTTP, MQTT, CoAP, and Modbus, and a browser bundle, a full stack IoT solution can be easily created.**

*We see the construction with the different protocols.*

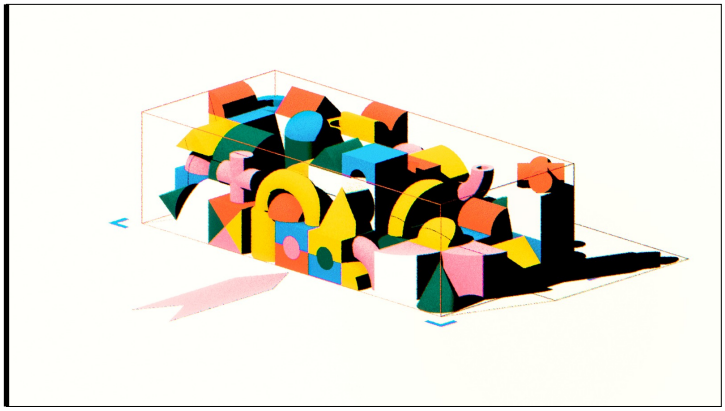
**14A** 0:28



**Their solution connects all the devices and includes a great user interface built with web technology.**

*Then the solution.*

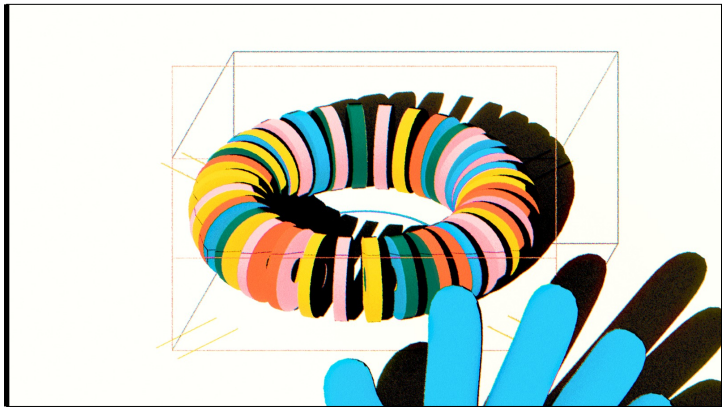
**15A** 0:30



**Instead of creating a one-off, proprietary solution, the developers use the WoT methodology to create IoT building blocks.**

*A big block disappear to see it's composed of several ones.*

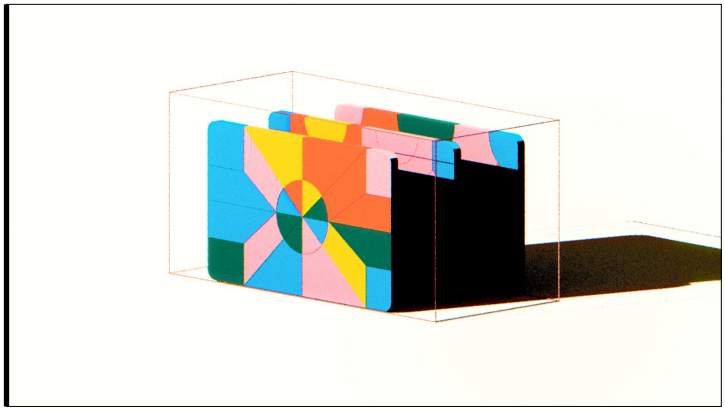
**16A** 0:32



**These building blocks extend their existing Web technologies portfolio.**

*Symbolisation of the portfolio where the developer can choose from.*

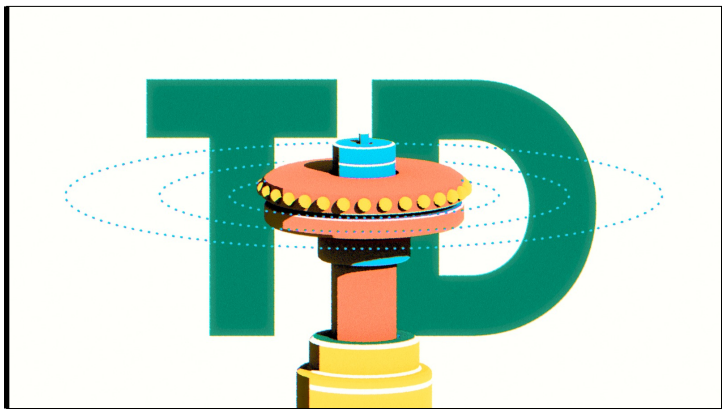
**17A** 0:34



**Thing Descriptions, WoT application templates, and IoT semantics are now in the same portfolio of reusable modules as HTML pages, Javascript packages, or CSS from former web projects**

*Symbolisation of the reusable modules.*

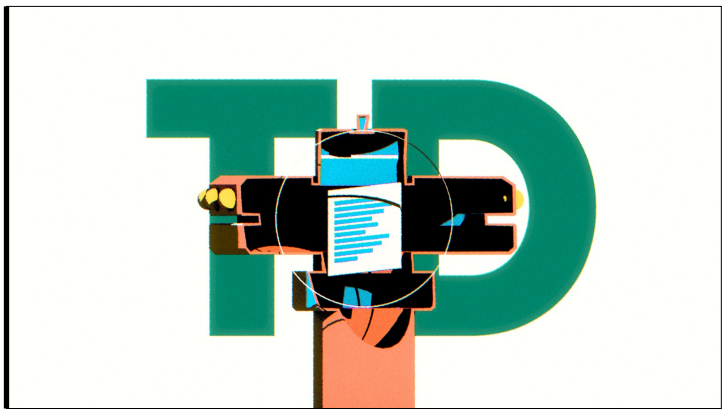
**18A** 0:36



**The main element of the WoT methodology is the Thing Description, also known as a Tee-Dee.**

*The sprinkler besides a tree, then we zoom on it. "TD" appears behind.*

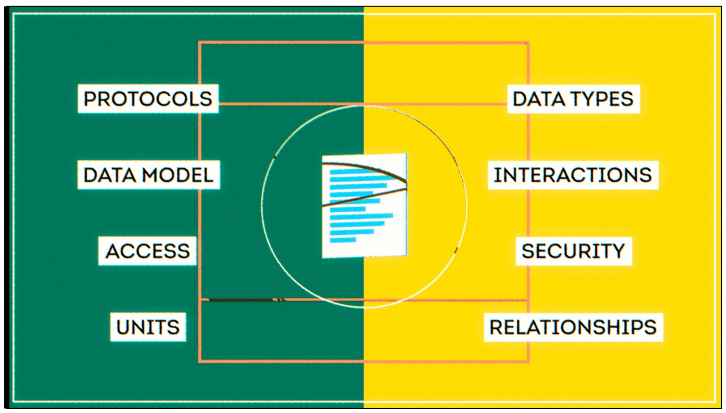
**19A** 0:38



**The TD is to the IoT what index.html is to a website.**

*The sprinkler is cutted-out to see a document inside, corrsponding to the TD.*

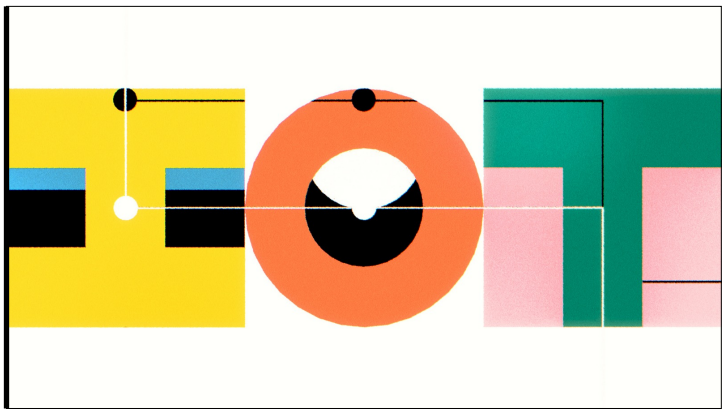
**20A** 0:40




**Various questions can be answered by the information in the TD like ...**

*Zoom into the document with the answers around.*

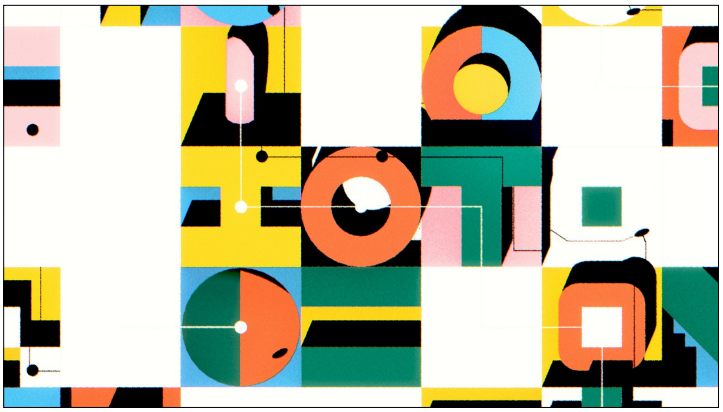
**21A** 0:42



**Classical IoT projects...**

*The 3 letters appear.*

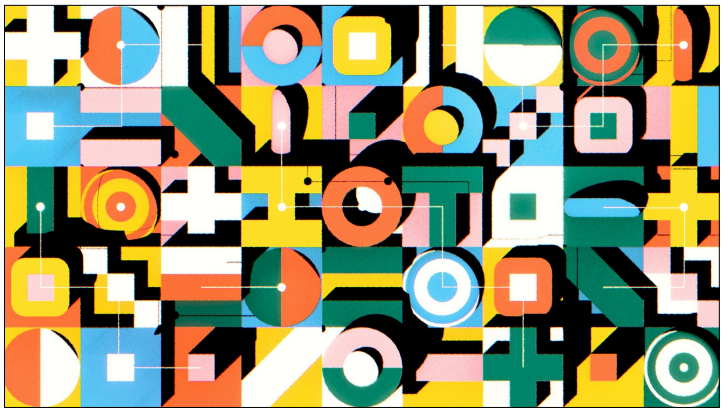
21B 0:44



**usually cause high costs, especially due to the high integration effort of the different data models and protocols of the devices or services.**

*Other modules (geometric shapes) come near the IoT. They show the complexity and the growth of budgets and deadlines inherent of classical IoT projects.*

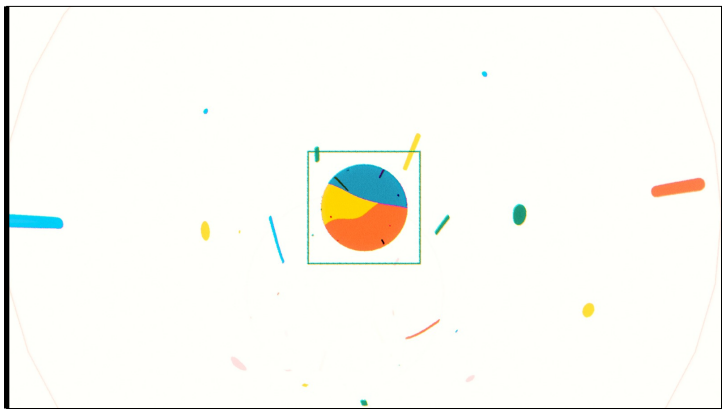
21C 0:46



**usually cause high costs, especially due to the high integration effort of the different data models and protocols of the devices or services.**

*Other modules (geometric shapes) come near the IoT. They show the complexity and the growth of budgets and deadlines inherent of classical IoT projects.*

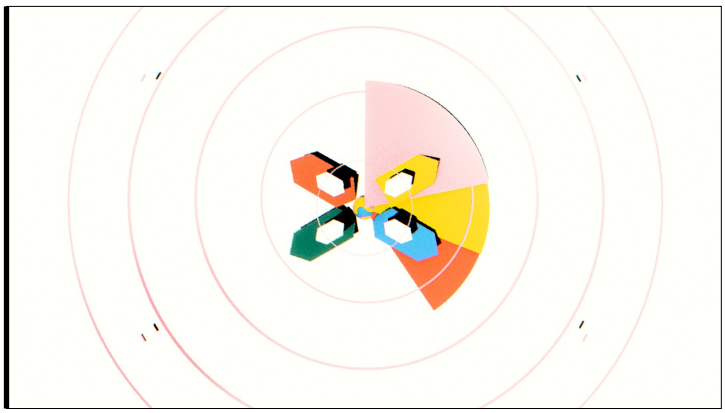
**22A** 0:48



**In contrast, with WoT the developers create the IoT solution in just a few sprints by combining WoT TDs, protocol bindings, and scripting with their web expertise.**

*The sprint is represented by a sphere in a "vortex tunnel" with speed marks.*

**23A** 0:50



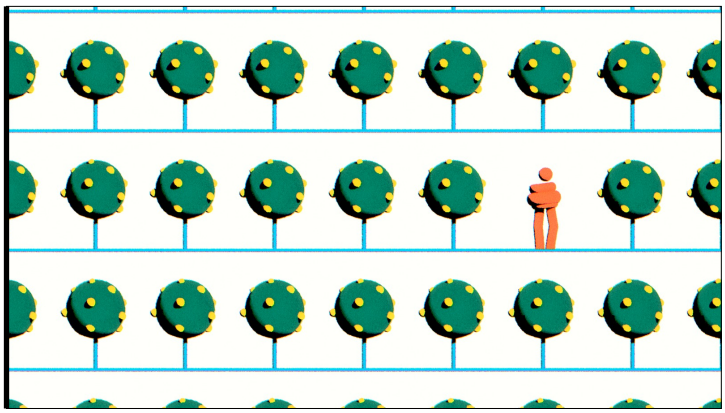
**For the managers, this leads to reduction in development and maintenance costs, saving time and money.**

**24A** 0:52


**The developers gain confidence in IoT and from now on consider themselves experts in both Web and IoT technologies.**

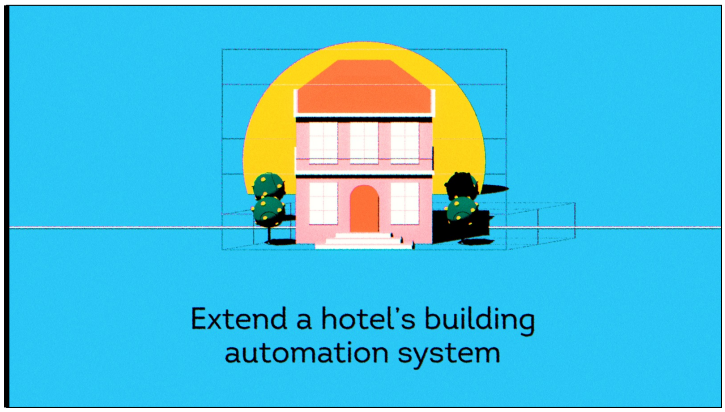
*THe developers with their new domain of expertise.*

**25A** 0:54



**Based on WoT the farmer's IoT project could be easy realized.**

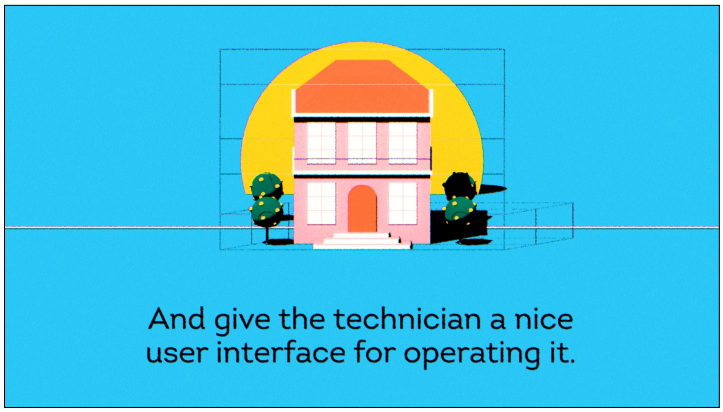
**26A** 0:56




**Now the developers are ready to tackle their next IoT challenge.**

*We see the hotel with the description of the job posting.*

26B 0:58




*We see the hotel with the description of the job posting.*

# STORY_WOT



Boards: 31 | Shots: 27 | Duration: 1:02 | Aspect Ratio: 16 : 9
DRAFT: DECEMBER 18, 2020

**27A** 1:00