

of German Telekom Bruno Jacob fever born points his view forward. The commercialization of internet of things via small band communication will be one of the big branch trends in the coming year and also will engage us. The activation of small band IoT in network of German Telekom is an important milestone on the way in that direction.

So manifold ideas and existing individual solutions are, the world of internet of things which is from user point of view still very much indistinct. Players from differing domains have in view a genuine gold digger frame of mind to more or less have bound together in big alliance.

Therefore, alone in smart home exist insular solutions – round about the energy supplier Innogy, the German Telekom, but also the diverse service providers of home internet – side by side and together, and are incompatible. Here it is not always easy to recognize which components function together which do not.

However, this does not scare the increasing number of customers. For the society for consumer electricity and household electricity (gfU) it is steady. The smart home wave is no more kept open.

The online portal states computes more than 1.2 million smart homes upto 2018 and the IT market researchers of Gartner estimates that in the year 2022, in an average family household more than 500 smart internet connected objects will be put in motion – classical tablets, TV instruments or smart phones just so as smart current recorder and many electrical household gadgets in kitchens and washing machines in basement. Final assumption for all business models is a functional internet connection. As per IBM experts there are five functional requirements for IoT platform.

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Source: VDI nachrichten, 13 January 2017, Nr. 1/2/3, Seite 20, FOKUS Smarter Leben

Reader's Response on Bailey Bridge

Bailey Bridge is a Portable Steel Bridge, the design of the bridge are on the unit construction principle. The basic unit of a bridge is a Panel (which termed as side railings in page no.8 of **Indian Science Cruiser Vol.32 no.1 of Jan,2018**) 3.048 meter Long (10feet). These are assembled with accessories(pre fabricated) to suit the bridge length & its load class. It is basically 'through' type Bridge and the Roadway being carried between two main girders formed from steel panel as mentioned. There may be different configuration of Bridges namely Single Single, Double Single, Double Double Triple Double etc. with or without Chord reinforcement as per the requirement. The Girders are connected crosswise by Transom made of High Tensile RSJ, which rest of the bottom chord of the Panel and carry the roadway superstructure. The connections are by clamps joined to keep these positions in place. The Panels are pinned together at top & bottom Chord by high tensile & corrosion resistant forged steel pin. End posts are attached to the ends of each truss panel of

the bridge girder and supported on bearing which rest over base plate placed on the ground on each end of the span. The Bridges are for standard width of 3.27meter roadway & extra width of 4.250meter with steel decking conform to AASTHO specification. Major components of Standard Type Bailey Bridges are:-

PANEL made of High tensile steel

Transom-----Do-----

- Steel Deck (Chequered plate)
- Chord Reinforcement
- End posts (Male & Female)
- Bearings
- Base Plate
- Sway Bracing
- Bracing frame, Racker & Tie Plate etc.

Most of the connections are pinned type or clamp type to ensure speedy erection and commissioning.

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Defence approved Bailey Bridge Manufacturer