

Toward the realization of ITS

Director
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It has been long since the word "ITS" has come out, and this year's ITS World Congress in Busan will be the 17th in the series. FUJITSU TEN has participated in almost all Congresses since the first held in 1994, and now, we are preparing for the Congress this year.

The first organization having the word "ITS" in its name at FUJITSU TEN was ITS Promotion Department established in 1996, and then after some twists and turns, ITS Engineering Group newly started in April 2010 to enhance ITS product development.

According to ITS-Japan website, ITS is a new transportation system constructed aiming to solve various issues concerning transportation including traffic accidents and congestion by building a network between human and roads through the most advanced communications and control technologies. At first, ITS was described in 9 development areas and 20 user services, but now, it has a wider definition and clearer objectives.

FUJITSU TEN's Vision is [to create new values of vehicles in three areas of "Tsunagaru*" functions of "connection between vehicle and society," "connection between vehicle and human" and "connections between vehicles and between vehicle and infrastructure," and to promote innovation in vehicle society]. Compared to this Vision, we found afresh that it is coincident with ITS objectives. Although few people would feel that the full-scale ITS age has come, various demonstration experiments are being frequently conducted. I have an impression that the full-scale ITS age is finally coming through from a research phase to a development phase in technical development.

On the contrary, Cloud Computing is already put to practical use, which has just come out in the last few years. As for Smart Grid also, demonstration experiments, technical development, activities for standardization and others are being accelerated. While, the ITS development is just about to enter a full-scale realizing

phase. What is the difference in developing speed between these two (Cloud Computing and Smart Grid) and ITS? I suppose that is because significant technical innovation, economic situation, social acknowledgment, etc. are required for encouraging (timely) the spread (practical application) of the technology concerning safety (human life) and social system. However, so as to carry on the technical development for providing products timely in accordance with the change in market trend, FUJITSU TEN and engineers have to keep up efforts and high motivation continuously.

FUJITSU TEN further clarified policy and Vision emphasizing "Tsunagaru" and "security / safety." In other words, under the environment around engineers which is ready for accelerating development with their motivations kept up, the engineers are expected to achieve results.

FUJITSU TEN commercialized Multi-Angle Vision™ system with full-scale efforts of FUJITSU Group in May 2010. The Multi-Angle Vision™ provides easy-to-read images of invisible (less-visible) area to support no-anxiety driving, which utilizes imaging technology; for watching / for displaying (processing) / for recognizing, which is indispensable for "security / safety."

With this product at the core, we will improve this system in monitoring area and accuracy by the fusion with a millimeter wave radar in which FUJITSU TEN has an advantage. In the future, by advancing this system with the fusion with vehicle-infrastructure cooperative system, FUJITSU TEN is going to contribute to society as a system supplier providing a peripheral monitoring system functioning for safety. Besides, we are convinced of further development of ITS as "a system to contribute to safety" collaborating with center and network technology in which FUJITSU Group has an advantage.

FUJITSU TEN can contribute to a broad range of ITS by providing security / safety by means of "Tsunagaru" and "human-friendly HMI." I hope engineers in FUJITSU TEN keep in mind constantly that they are required as their mission above all to make efforts to develop element technology continuously for ITS business field and to propose (develop) new products by shifting powers to advanced research / advanced development as well as advancing the cultivation of human resources.

* "Tsunagaru" stands for connectivity or connecting.

A handwritten signature in black ink that reads "Kiyoshi Yagi". The signature is written in a cursive, flowing style.