To search for a New Physics beyond the Standard Model, we are planning to upgrade the Belle, one of two B-factory experiments in the world, by increasing the $\text{e}^+\text{e}^-$ collider luminosity by factor of $\sim50$. In the upgraded B-factory experiment, the expected trigger rate will be 30kHz at most, corresponding to 20 times higher than the present one, where the present data acquisition (DAQ) system is not expected to work.

As a consequence, we have newly developed a pipelined readout electronics, "COPPER" system. The COPPER system consists of two components; one is modularized signal digitizer cards and the other is a common motherboard to mount them responsible for the card readout and data transmission to the external PC. The module structure reduces the R&D and maintenance cost of the digitizer. To check the validity of the COPPER system, we partially replaced the working Belle DAQ system with the COPPER and made in-situ study. After the successful results of the study, we replaced a half of the Belle DAQ system with the COPPER. Other experiments than Belle (J-PARC etc) has also started to employ the COPPER system for its excellent performance.