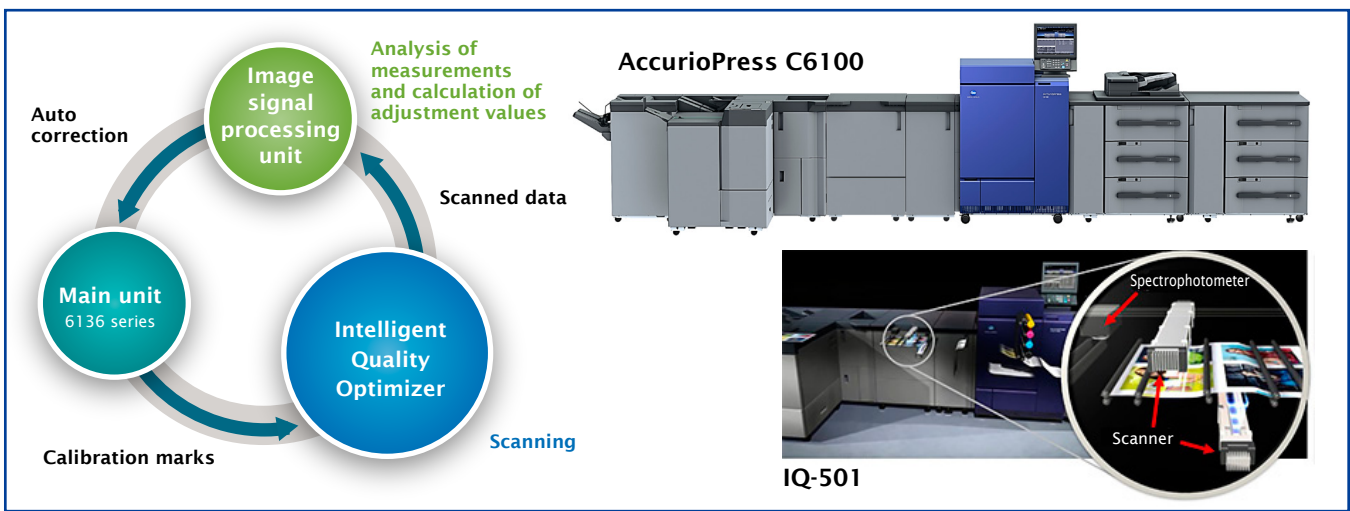
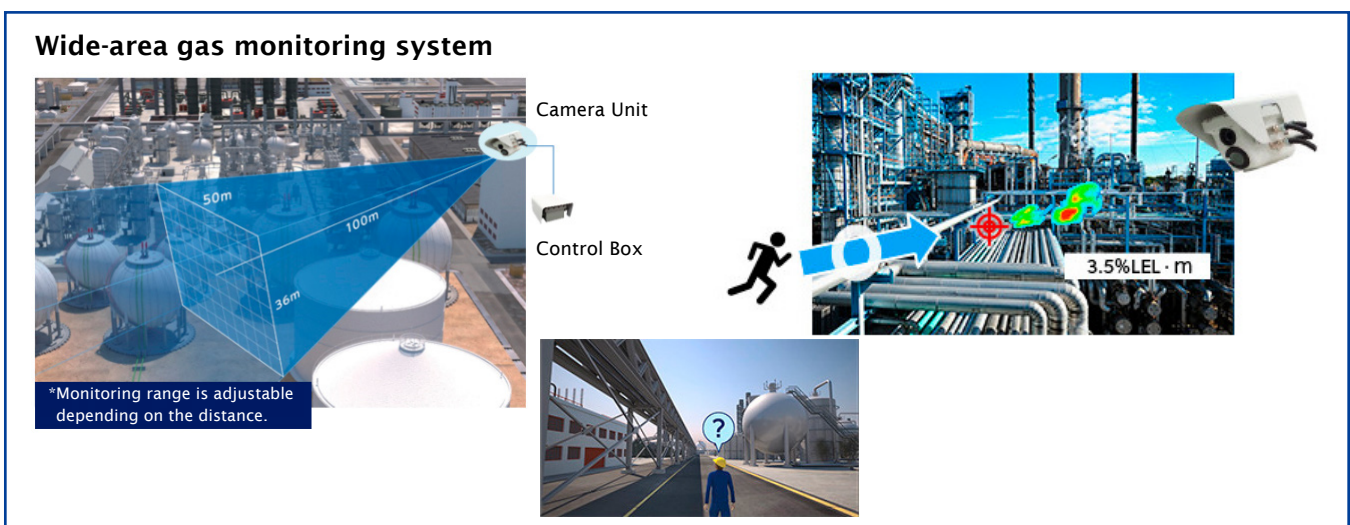


Examples of intellectual property activities in specific businesses

In the commercial printing area, Konica Minolta started offering “IQ-501^{*8},” Intelligent Quality Optimizer for digital printing systems. IQ-501 helps to achieve quality printing and shortening of job time by raising the efficiency and saving manpower in such jobs as darkness level management, color tone management, and double-sided print position calibration, jobs that take time to perform even for experienced operators. To realize the added value offered by IQ-501, various Konica Minolta’s proprietary technologies are applied such as hybrid color measuring technology that enables color measurement to be linked to scanner, control technology for real-time double-sided print position calibration, and paper feeding technology to realize the accuracy of above features, in respect of which patent applications have been filed. As of the end of fiscal 2017, approximately 500 patent applications have been filed worldwide, providing powerful support from the intellectual property aspect to the added value we are offering to our customers.



In the gas monitoring solution business, which is one of the New businesses, we offer a wide-area gas monitoring system to visualize gas leaks^{*9}. Previously, in gas leakage accidents, identifying leakage areas took time because it was difficult to ascertain where leaked gas was accumulating. The wide-area gas monitoring system intuitively “visualizes” the state of leakage by superimposing gas images on photographed images, and displays estimated leakage areas and concentration levels. As such, the system offers a safe approach to identifying gas leakage areas and a means to estimate repair procedures within a short time. With respect to the technologies relating to the wide-area gas monitoring system, approximately 200 patent applications have been filed worldwide as of the end of fiscal 2017, providing powerful support from the intellectual property aspect to the added value we are offering to our customers.



*8 For information on IQ-501 technology, visit our website: https://www.konicaminolta.jp/about/research/technology_report/2018/pdf/15_kawatsu.pdf
 *9 For information on a wide-area gas monitoring system, visit our website: <https://www.konicaminolta.com/jp-ja/gas/index.html>