

From 400 m to 0.3 m: Journey for Innovation in Satrec Initiative

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Abstract: Satrec Initiative (SI) is a prominent Korean satellite Earth observation company specializing in high-performance small/medium satellite systems. It started as a university research center, which co-developed the first Korean satellite with an Earth imaging system having the resolution of 400 m. The early members have acquired the seed technologies from the renowned universities in the UK, US, and Japan. With 30-year space development experience, SI engineers have been contributing to more than 28 domestic and international space projects. Today, SI grew to be a world-leading solutions provider for small/medium satellite Earth observation missions. SI's latest Earth observation satellite system, SpaceEye-T, is designed to provide 0.3 m resolution imagery.

With its two subsidiaries, SI group offers cost-effective products and services in four vertically integrated business areas of Earth observation. The parent company, SI provides high-performance small/medium Earth observation satellites, and operation-proven ground systems. SI Imaging Services focuses on satellite imagery distribution services, and SI Analytics provides Artificial Intelligence-based satellite/aerial imagery analytics services. SI also provides training, technical consulting, and engineering support through highly-experienced engineers and scientists.

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