

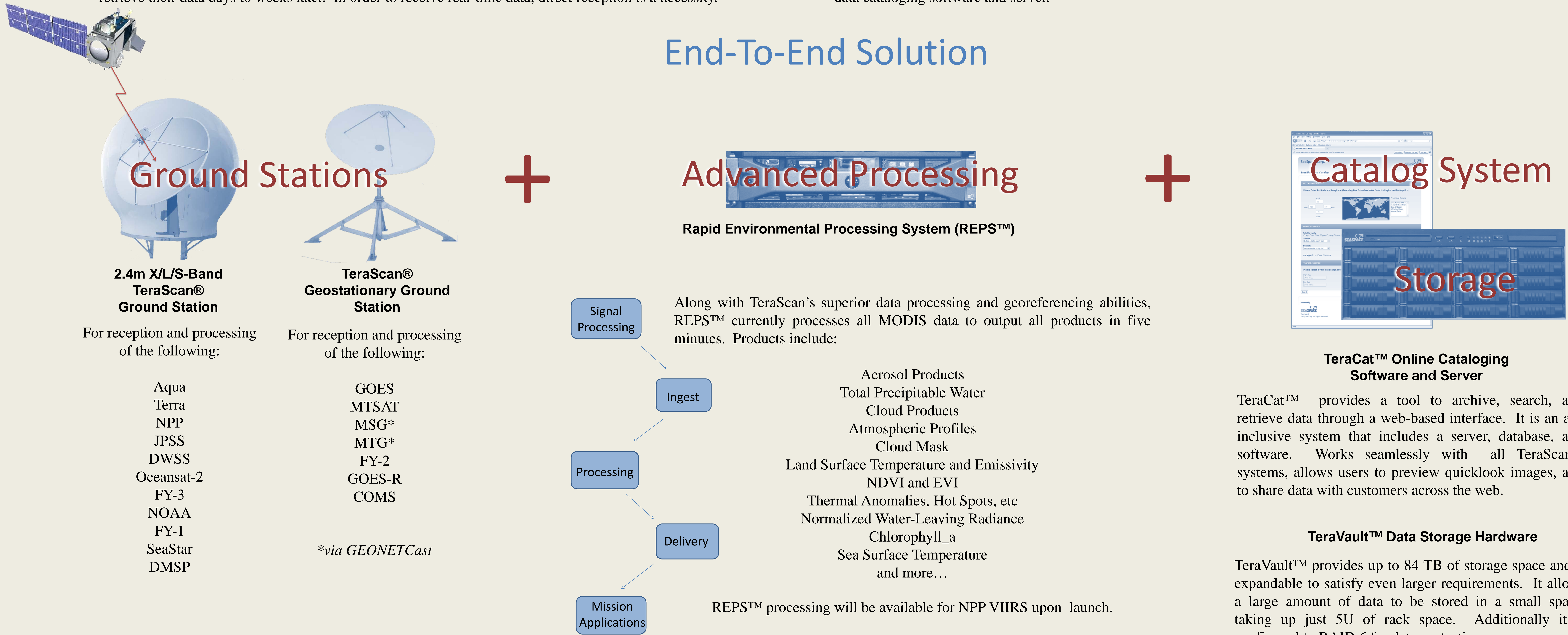
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## Problem

With the anticipated launch of NPP, JPSS-1 and GOES-R in the next five years, the flow of weather data to users will rise ten times (Berchoff, 2009). This volume of data will put a strain on the government infrastructure tasked for data distribution, which could limit real-time data distribution to government users only, forcing others to retrieve their data days to weeks later. In order to receive real-time data, direct reception is a necessity.

## Solution

SeaSpace Corporation, the creator of TeraScan® has created a complete end-to-end solution in anticipation of the forthcoming needs of satellite data users. This solution is made up of three parts: 1) ground reception stations for both polar orbiting and geostationary satellites, 2) software to process the data into products, and 3) data storage hardware, data cataloging software and server.



## Conclusion

A full direct-reception solution is the only way to guarantee real-time access to the next generation of environmental satellite data. The currently over-tasked system of data distribution via the internet is ill-equipped to service local and foreign customers on a real-time basis now, and this will only get worse as more data comes online.

## References

D. Berchoff, *Leveraging GOES Capabilities to Maximize Response to User Needs*, 2009 GOES Users Conference, November 3, 2009, Madison, WI.

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