

3rd IMPROVER/ERNCIP Operators Workshop on Resilience for Critical Infrastructures



Lisbon, May 23/24th 2018

SNAM Natural Gas Infrastructure Resilience



- Introduction
- SNAM
- Resilience
- SNAM's BCMS



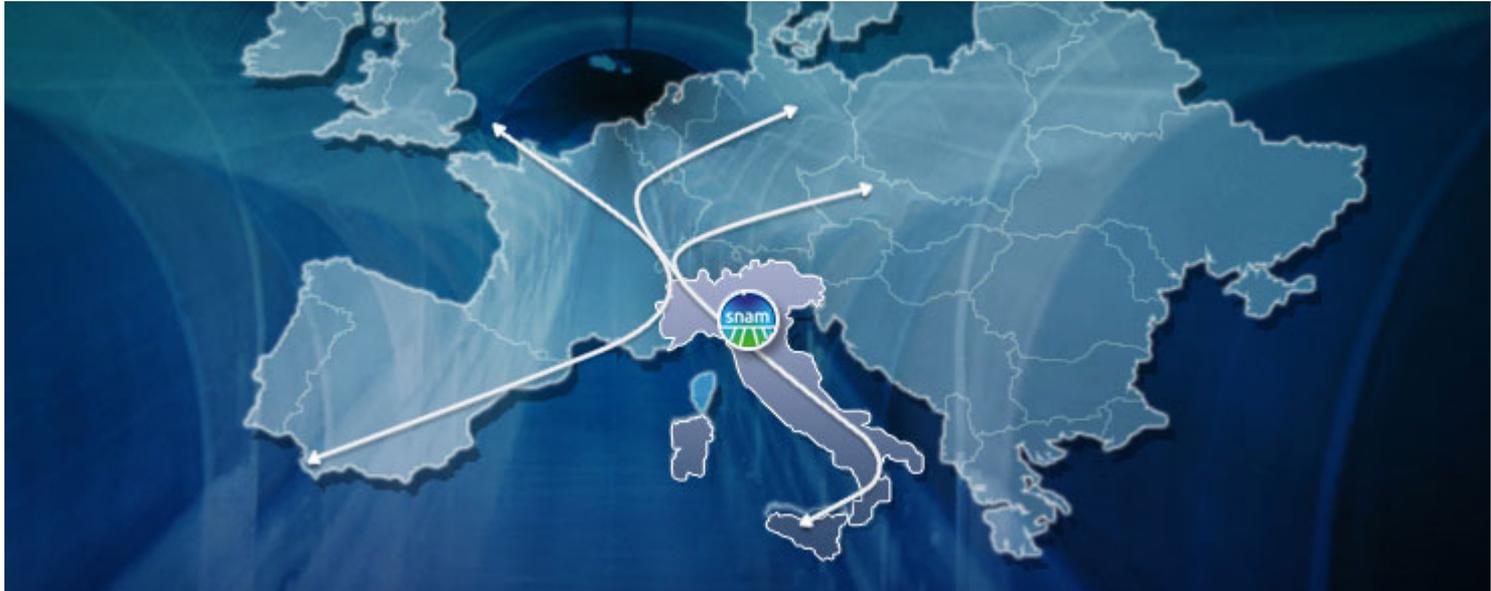
European economic, geo-political and energetic context is evolving continuously. A Critical Infrastructure as SNAM S.p.A. must structure itself considering this evolution, getting ready to re-organize fast and efficiently its business processes.

"...and yet, though its nature be such, it does not follow therefore that men, when the weather becomes fair, shall not make provision, both with defences and barriers, in such a manner that, rising again, the waters may pass away by canal, and their force be neither so unrestrained nor so dangerous."

N.Machiavelli, The Prince, Chapter 25



Snam S.p.A. is leader in Europe for construction and integrated management of natural gas infrastructures. Snam is active in natural gas transportation, storage, regasification, mobility and bio-methan plants.

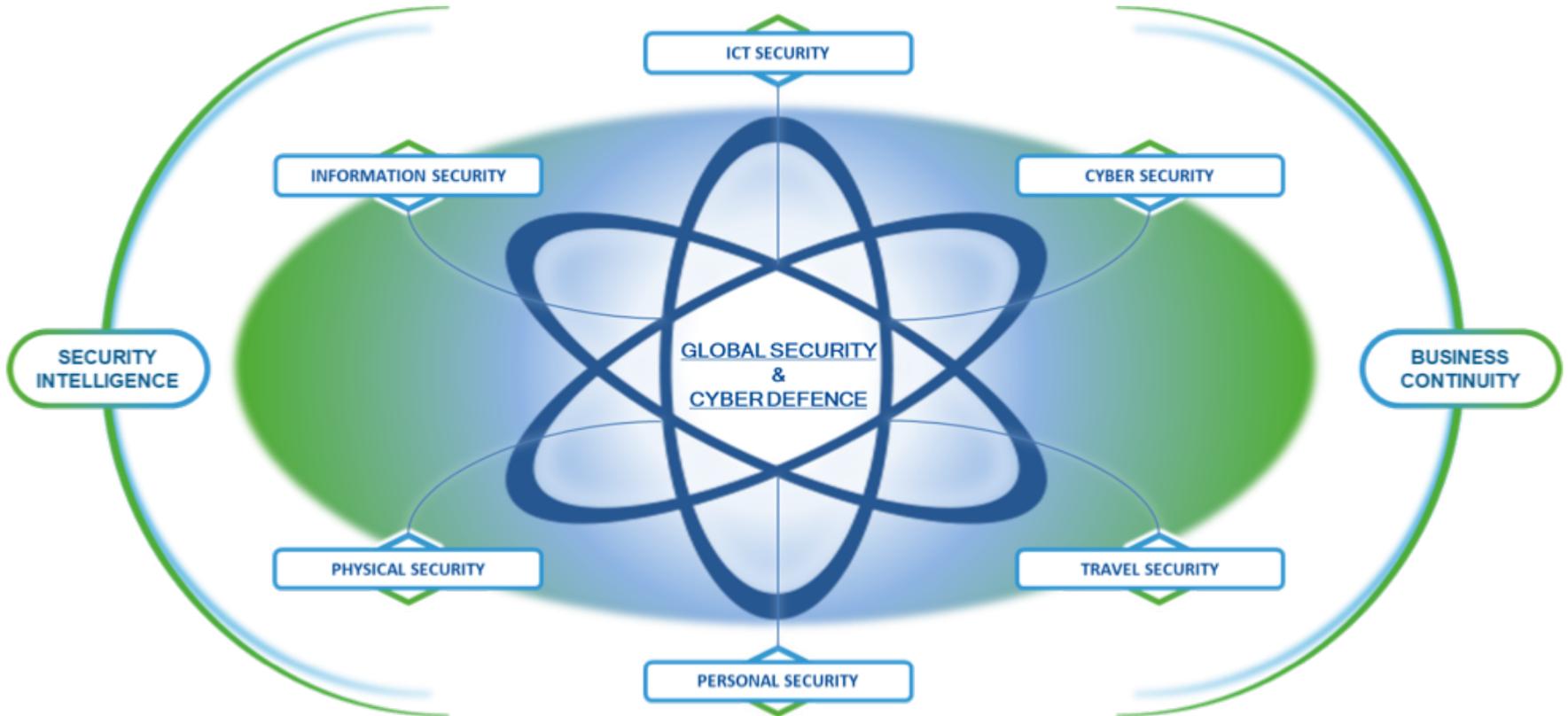




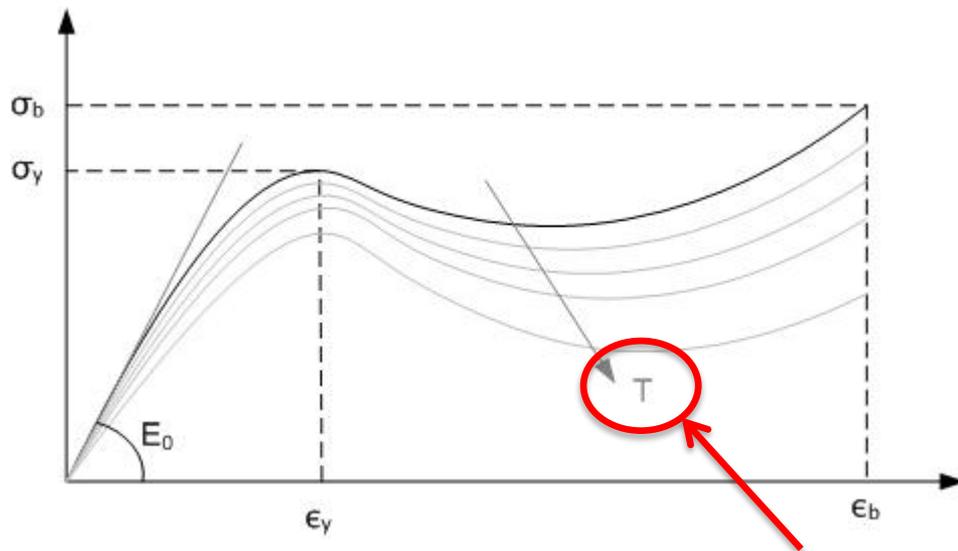
SNAM manages a national transportation network that is more than 32,508 kilometers long (11 Compressor Stations), including 9 storage sites and 1 regasification.



Additionally, through associated companies, Snam operates in Austria (TAG&GCA), France (Terèga), United Kingdom (Interconnector UK) and is shareholder of the TAP project.



In terms of science, RESILIENCE is the ability of a material to absorb energy when it is deformed elastically, and release that energy upon unloading.



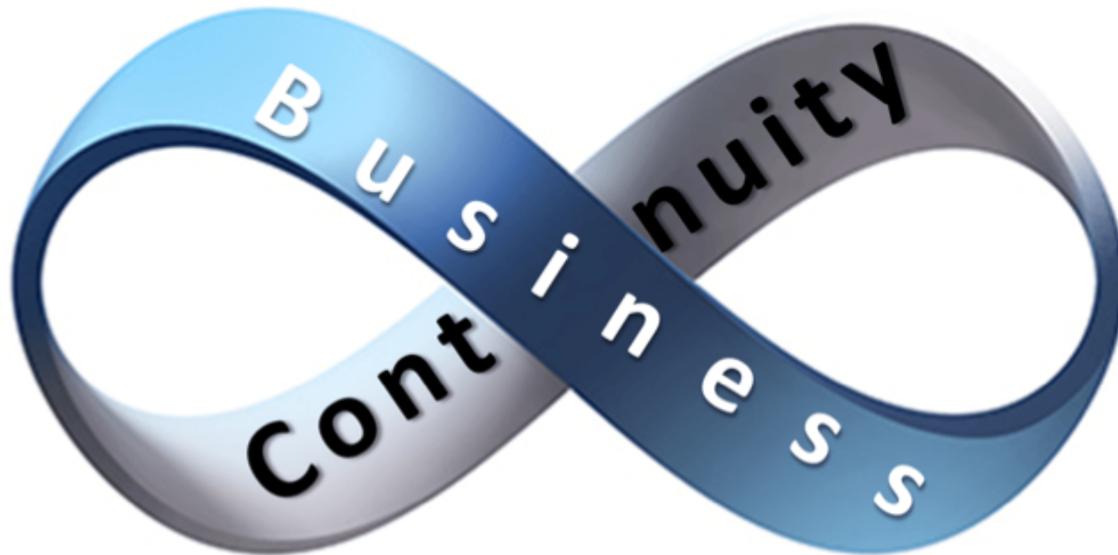
This ability let materials be able to stand external stress, pressure and critical collision, temporarily modifying its structure and getting back to initial conditions once the sollicitation is over.

TEMPERATURE makes all this possible

Thermoplastic polimers can stand every kind of effort modifying it's own structure, preserving the ability to get back to standard condition without damages.



Like thermoplastic polymers, a firm must get ready to face every kind of critical event modifying its own structure, preserving the ability to get back to normal activity once got over the crisis.

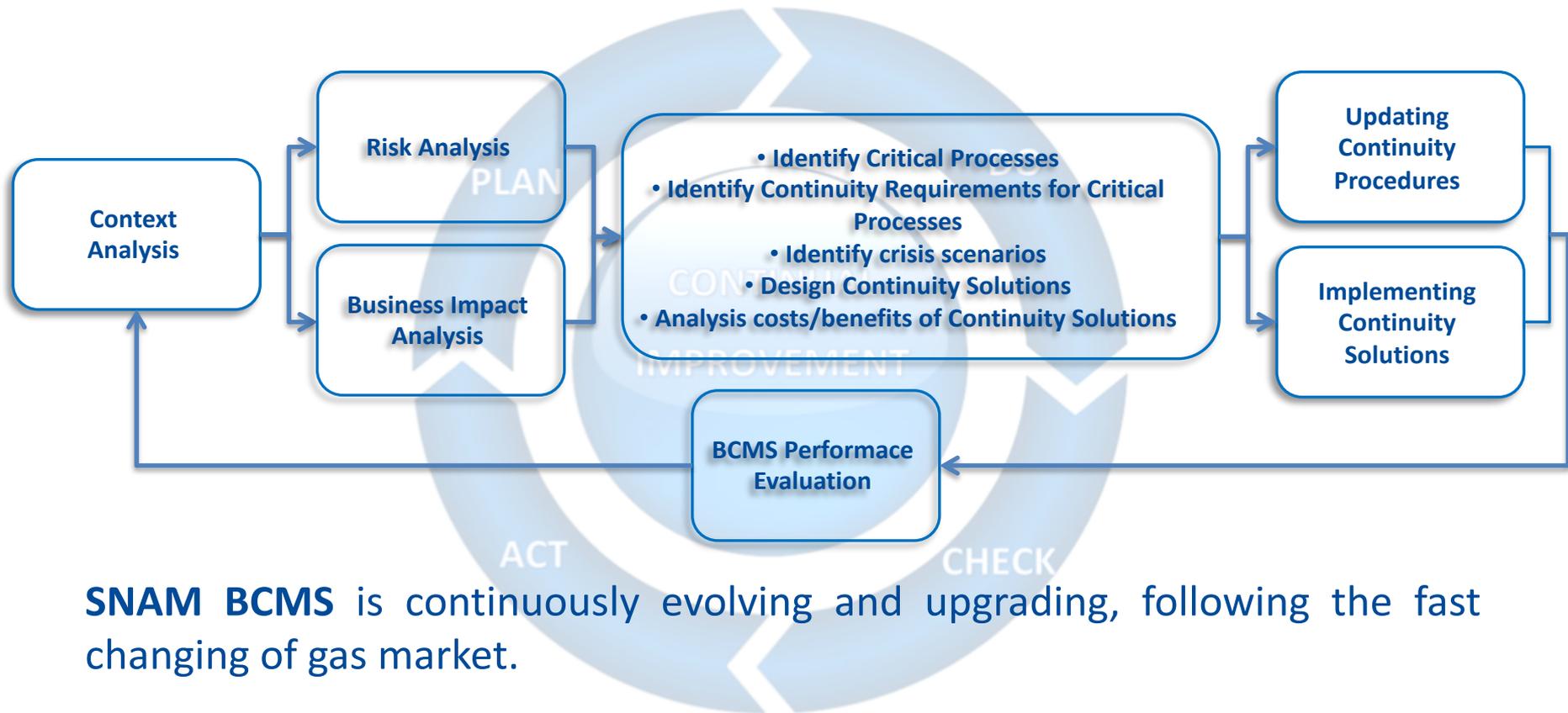


But warming-up the headquarter is not enough...

We need a **BUSINESS CONTINUITY MANAGEMENT SYSTEM**



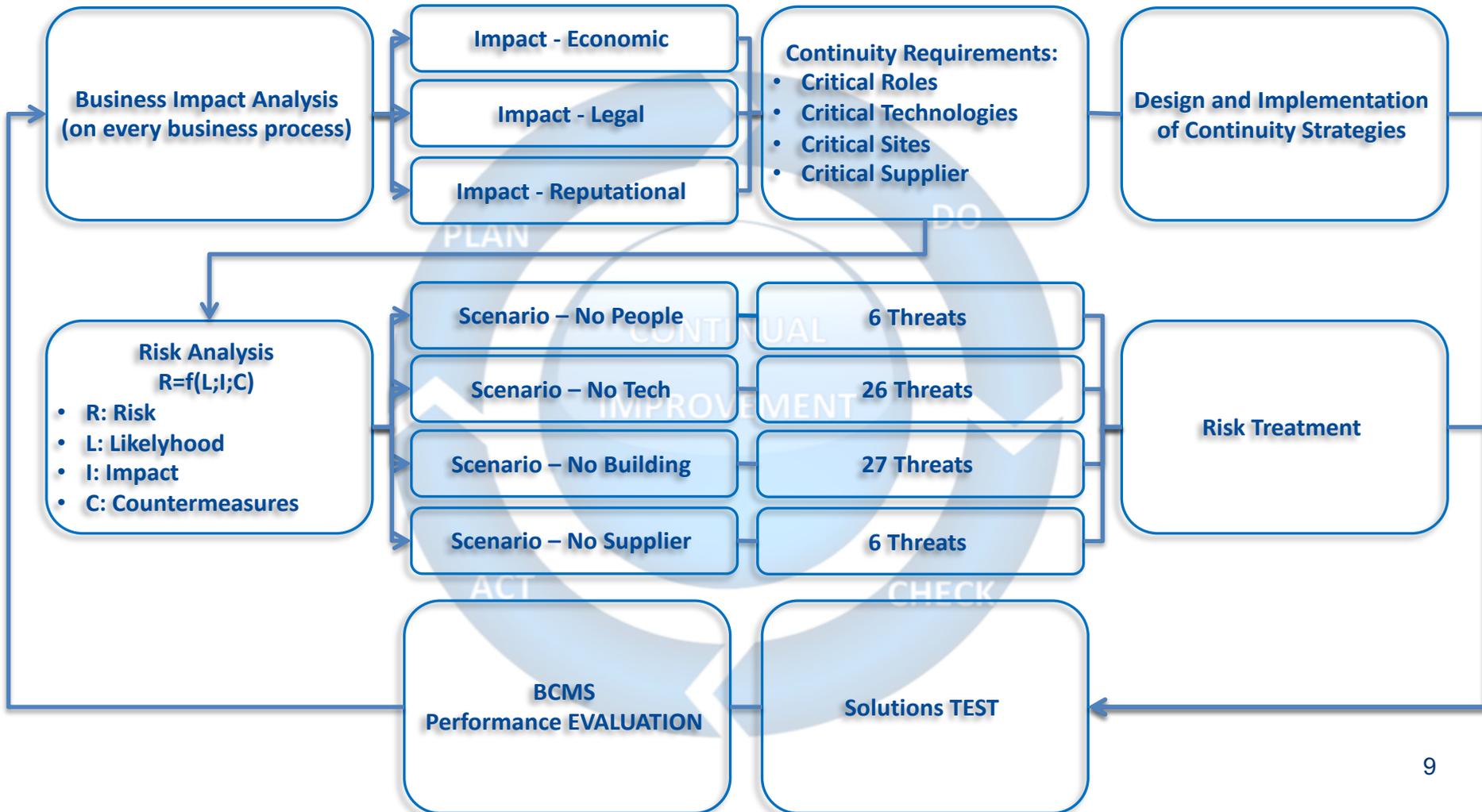
Taking as guideline the international standard **ISO22301:2012**, SNAM has designed and implemented a Business Continuity Management System.



SNAM BCMS is continuously evolving and upgrading, following the fast changing of gas market.



As recommended by ISO 22301:2012, periodically we up-date the analysis in cooperation with all Business Processes Owner.





SNAM RETE GAS Transportation Integrated Network

The Dispatching Centre is responsible for monitoring and remotely overseeing the whole Transportation Network.

In 2015 Snam obtained the ISO 22301* Certification

*In 2014 Snam Rete Gas got the ISO/IEC 27001 Certifications for Technology Management Process, responsible for all dispatching technologies.



SNAM is going, through continual improving and time constant upgrading on it's BCMS, towards an integrated continuity management. Awareness is increasing as well as business managers' continuity needs and requests.

In 2019, SNAM has planned to obtain ISO 22301 and ISO/IEC 27001 for its own Integrated Infrastructure Dispatching System (Transportation and Storage).

The main goal for the future is to establish a CONTINUITY FIRST management philosophy.



Thank you for kind attention

