

Synchro-NET

INTRODUCTION

De-stressing the supply chain

Overcome the stress caused due to

- Increasing transportation distances
- Higher Complexity
- Vulnerability of supply chains

While enhancing

- Responsiveness and performance
- Quality and reliability
- Knowledge needed to plan seamless transports of goods

OBJECTIVES

25-30% increase in modal shift to rail and 12-15% reduction in truck kms

5-10% reduction in inventory levels of finished goods

12-20% reduction in hinterland transport costs

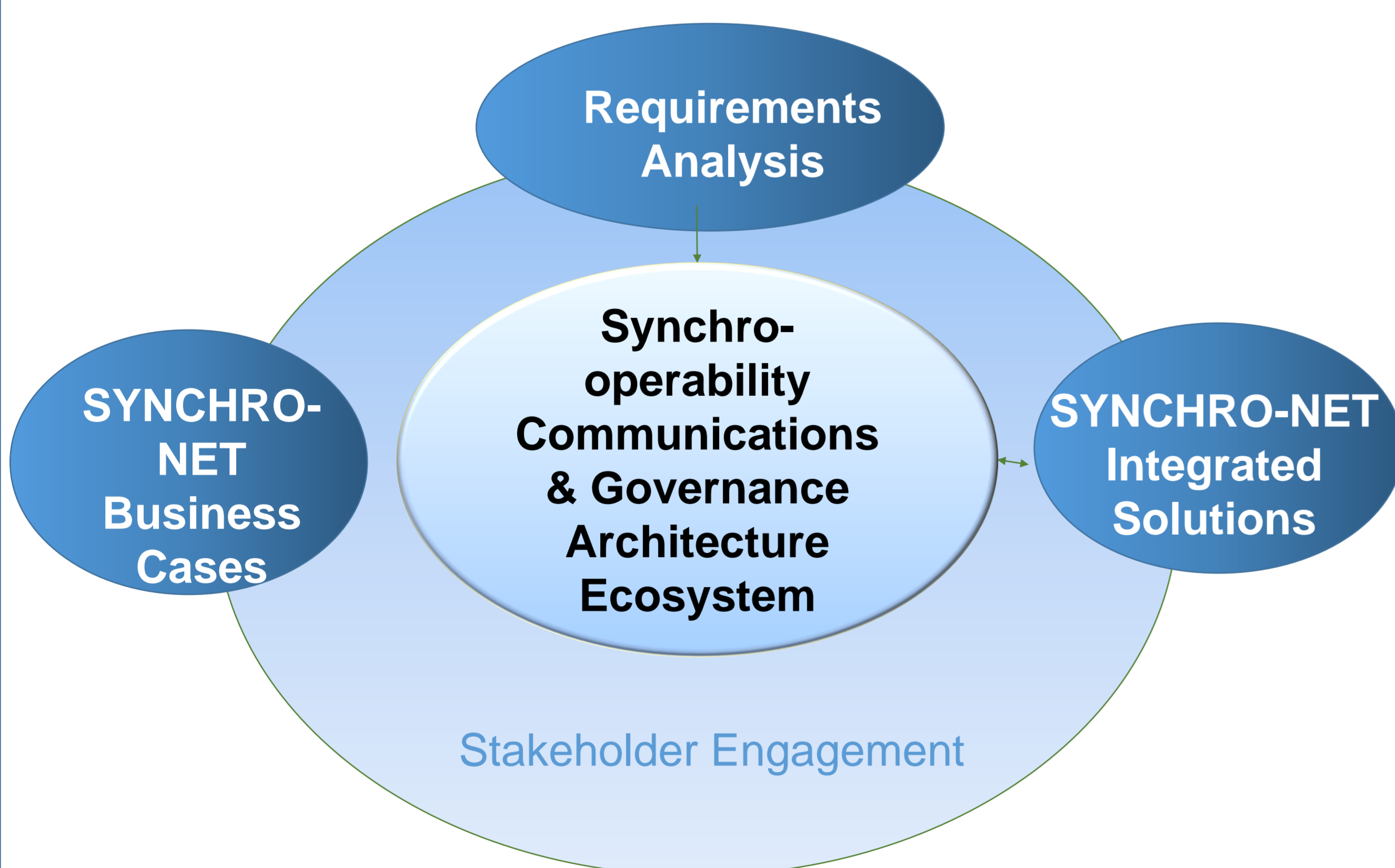
Reduce emissions and costs of logistics operations

Guarantee cost-effective robust solutions

SYNCHRO-NET

Increasing reliability and service levels for logistics users

METHODOLOGY



RESULTS

Synchro-net tools will interact with information systems in order to:

- Collect and manipulate field data
- Take decisions and monitor results

The ICT model is a Cloud architecture:

- It provides **on-demand services** (i.e. optimization/ simulation)
- It must ensure **robustness, resiliency, elasticity**
- It offers enhanced logistics capabilities to SME and small operators

DEMOSTRATORS

East-West Trade Lane Demonstrator

MAIN PARTNER: CSSA

DURATION: 24 months

MAIN CONTENT: test to validate and showcase the selected SYNCHRO-NET toolsets/services centered on the Port of Valencia, Algeciras and Barcelona

MAIN INDICATOR OF SUCCESS: Reduction in CO2, without affecting negatively adherence to last-mile schedules

Regional Demonstrator

MAIN PARTNER: K+N

DURATION: 24 months

MAIN CONTENT: These pilot tests are concerned with validating and showcasing the selected SYNCHRO-NET outputs in Ireland particularly focused on the final European 'leg' into the Port of Cork

MAIN INDICATOR OF SUCCESS: Reduction in CO2, without impacting last European 'leg' schedules

Pan-European Demonstrator

MAIN PARTNER: K+N

DURATION: 24 months

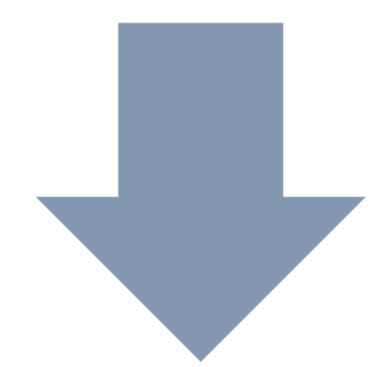
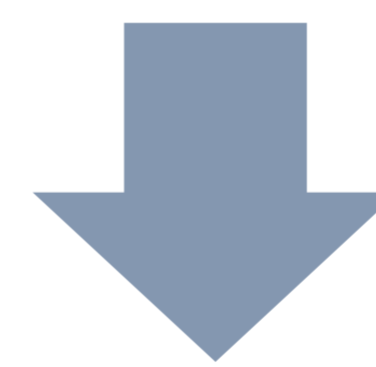
MAIN CONTENT: These pilot tests are concerned with validating and showcasing the selected demonstration of SYNCHRO-NET toolsets/services including container movements from Athens to several ports in Europe.

MAIN INDICATOR OF SUCCESS: Reduction in CO2, without changes in supply chain inventor levels

CONCLUSION

Reduce operating costs of a company of liner shipping????

Enhance logistics environmental performance and service levels, while reducing cost



Benefits to the intermodal freight charge transfer :

-Improved efficiency

-Facilitate switch from road transport to other transportation modes , with less negative externalities effects while improving usage of existing infrastructure

ACKNOWLEDGEMENTS

