Integrating Exim with NW3

Containerised Movements
THE NEED

Identified Export & Import movements to Kerala Hinterland.

Vallarpadam ICTT induced new movements.

Emerging Domestic Trade

Kerala a Consumer State.
A DIFFERENT PERSPECTIVE

Need is for consumer goods movement and not industrial.

What are the requirements of the Market?

Safety, Speed, Insurance, Wide reach.

Last Mile Distribution

Low cost Waterways to Road interfaces.

A full Supply Chain Management System.
A SOLUTION TO MEET THE NEED

A new design for a waterway craft.

A new supply chain design to meet Kerala's requirements.

A new design for a low cost Waterways to Road interface.

A design to meet the Door to Door need of the customer.

We need a NANO approach.
DESIGN CONSTRAINTS

Waterway Craft - Air Clearance

Waterway Craft - Low Draught.

Waterway Craft - Anywhere discharging capability.

Waterway Craft - Dimensions for Bund Constraint.
INTERFACE CONSTRAINTS

Low Cost transfer mechanism to road vehicle

Mechanical transfer mechanism to road vehicle

Short transfer time.

Unmanned landing point - Man only on berthing.
HOW TO FIND A SOLUTION

Private Initiative

Public R&D funding.

Joint Public & Private designing and Testing.

Establishing Proof of Concept.

Marketing of concept to Customers.

Commercialization of Venture.

Making available Risk Capital to expand operation.
WHAT NEXT

Audience response.

Discussions

Action Plan

Close of session