

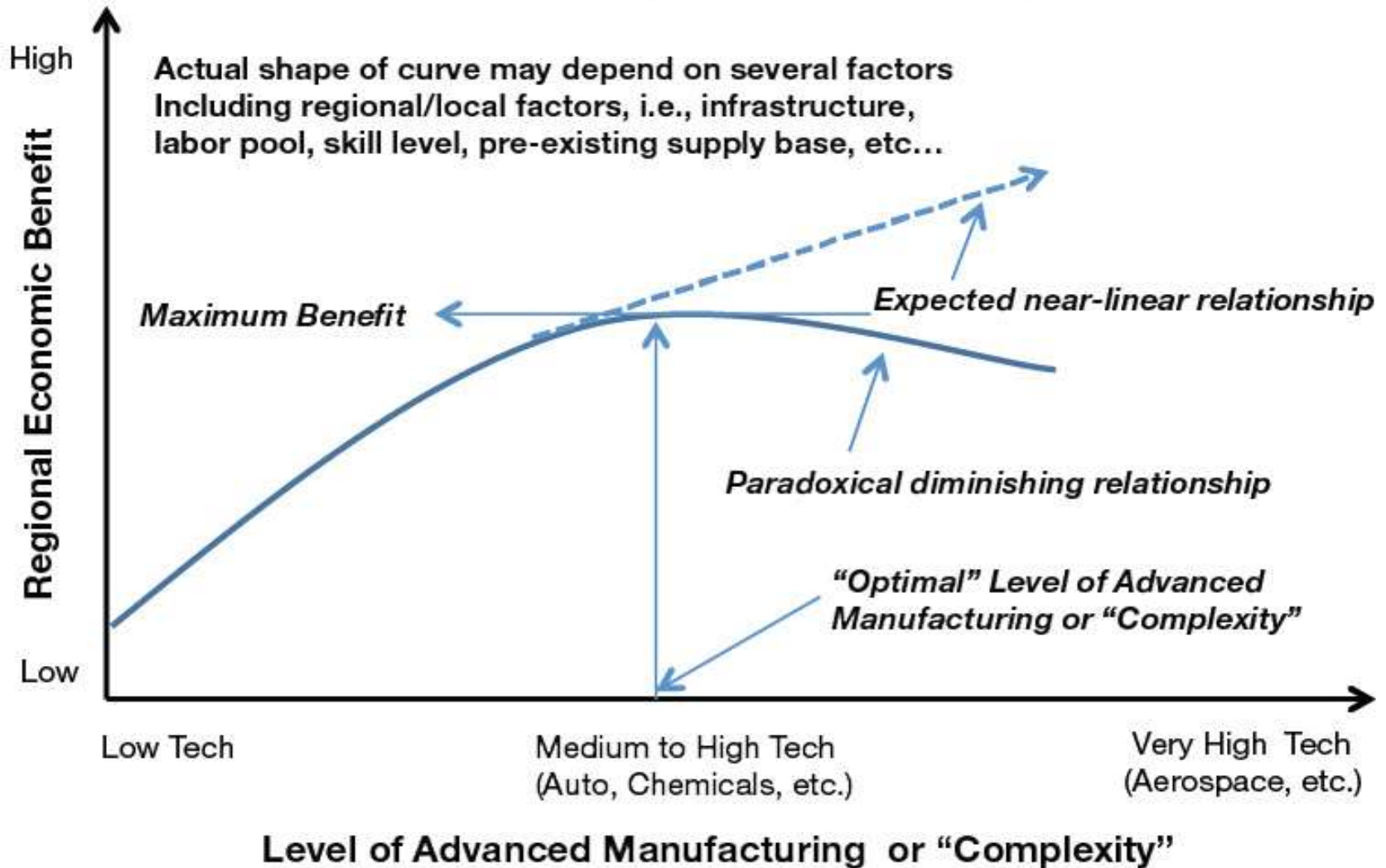


Automotive Cluster SPRINT

Adrian SANDU
Cluster Manager

Added value in automotive sector

Advanced Manufacturing Value-Add Paradox (AMVAP) Model



More than 600 companies in automotive industry, with 206,000 employees

Turnover of automotive sector exceeded 22 billion euros (13% of GDP)

Export over 13 billion euros (24% of national export)

Components manufacturing: 72% of the turnover

New Vehicles market started to recover, but its 3 times smaller compared to 2007

Local production: \approx 400,000 vehicles in 2016

The network of suppliers in ROMANIA

SATU MARE

DRM Lisa Dralmaier Sisteme Electrice
Phoenix Romania SRL
Schlemmer Romania
Autonova
Woco

ALBA

Star Transmission Cugir

ARAD

Takata Petri Romania
Leoni Wiring Systems Arad
Alkoa Fujikura
EKR Elektrokontakt Romania
Bos Automotive Products
Nexans Romania
Yazaki Component Technology
Valvetek
Alcoa Romania
Superplast International
Coindu Romania
ERT Group Automotive
Silmet Romania
Silmet Technology
Coficab Eastern Europe

TIMIS

Continental Automotive Products
Delphi Packard Romania
Kromberg & Schubert Romania
Eybl Automotive Romania
Siemens Vdo Automotive
Eybl Automotive Components
DSR Draxlmaier Serviceleistungen
Hella Lighting Romania SRL
Dura Automotive
Coficab Eastern Europe SRL
Valeo Lighting
Elba SA
Neferprod Impex
Spomotim
TRW
Hella Electronics Romania
Mahle Componente de Motor
MGI Coutier
Plastique Forme
Contitech
Decayeux
Frlame
Gantois
Hay
Leman Industrie
FM Logistic
Pro-Ingenieurung
Schieffer
Schlemmer Romania
Sol Plus
Solectron
Technic Plastic Romania

SALAJ

Michelin – Silvania
Michelin Romsteel Cord
Silcotub

BIHOR

Autoflex SRL
Ficamt SA
UAMT
Capirom
Plastic Cris
Vernicolor

CARAS-SEVERII

TMD Friction

HUNEDOARA

Black River Chim
Chimica
Sews Romania S
Key Safety Systems
DLR Lisa Drälmaier Autopart
Jacquemot Invest

DOLJ

Ford Romania
Johnson Controls,
Faurecia
Lear Corporation
Kautex Textron

OLT

Altur SA
Automotiv Prod Service
Ecocat
Inas
Pulsor
Pirelli Tyres Romania
Pirelli Cord Romania
Yazaki
IAC

CLUJ

Automobile Componente Electrice
Eckerle Romania
Ruwel Romania
Trelleborg Romania SA
Amberger Werkzeugbau
Manufatura Moderna de Metale
Mecelec Plastic Composites
MMM Autoparts
Sinterom
Turdeana

SUCEAVA

Sidem
Tesva

BISTRITA NASAUD

Leoni Wiring Systems
Rombat
Netex
Raal
StewoPlastic

IASI

Asam
Coselii
Delphi

Mures

Romcab
Parat

BRASOV

Autoliv Romania
Ina Schaeffler
Electroprecizia
Rolem
DTR Lisa Drälmaier SistemeTechnice
DPR Draxlemeier Procese de Productie
Stabilus Romania
ADB-DEFI
Fenec Rubber Easten Europe (F.R.E.E)
Fontana Farsteners
Total Lubriffin
Terwa
Organe de Asamblare
ISKO Romania
Magic Systems
Meca - Rectif Rmania S.R.L Codlea
Redplast
Romradatoare
Vide Express Romania SA

COVASNA

ALT Sentega Ro

PRAHOVA

Freudenberg Flexibile Frana
Calsonic Kansei
Johnson Controls
Yazaki Romania
Vitoria Floresti / Michelin
Mefin Sinaia
Saint Gobain

ARGES

Ana Imep
Auto Coating
Automatisme Industriale
Automobile Dacia
Automotiv Complet Systems
Johnson Controls Romania
Comefin
Componente auto
Electroarges
Lear Corporation Romania
Auto Chassis International Romania
Valeo Climate Control
Valeo Electical Connective
Retiro
Euro Auto Plastic Systems
Euro Matrix
Borla Romcat
Delta invest
Divertex
DNN Team Consulting
Ronera Rubber
Romaupart
Dow Automotive
Automotive Complete Systems
Ingenierie et RealisationsIndustrielles
Segula Integration
AKA
Flexiplast
Labco International
Matrite Dacia
Mavea
Metal Production
Metal Impex
Montana MG
Musa
Omnium Distributions
Takosan
Cortubi
Inergy
GIC-NOSAG
S I L D V B
Two Mar Business
Lisa Drälmeier
Metzeler
MPI
Lamberet
Piroux Industries
Sealynx Automotive Romania
Subansamble Auto
Technoplast
Clemenssy Automatizare
MPOR
V2S Vopsele



VALCEA

Magnetto Wheels
EMARC

SIBIU

Thyssen Krupp Billstein Compa
Styria
Kuhnke Production Romania
Faurecia SeatingTalmaciu SRI
Brandl RO SRL
SNR Rulmenti SRL
Takata Petri Sibiu SRL
Kromberg&Schubert Medias
Continental
Styria Arcuri
Marquardt Schalsysteme SCS
Caucho Metal Productos
Compa
Geromed
H Brandt
Mora
Poliflex

TELEORMAN

Koyo Romania

CONSTANTA

Almet

ILFOV

ACT Logistics
Eprrom
Phoenix Industrie
Renault Tehnologie Roumanie
Vortex
Group Allio Romania

HARGHITA

FAPA
Matricon
Advanced Babel Technologies

Buzau

Fermit
Gerom
Romcarbon

BUCURESTI

ABMI Inginerie
Aectra
Amrom
ABB
Artem
AVL Romania
Bamesa
Best Electronic
Bosch
Caranda
Chorus Engineering
Consulting development Supplier
Crescendo International
Dahe
Dover International
Dupont
Electroaparataj
Evonik
Maxim
Eurobox Logistics
Glasscorp
Industria lutei
Ingedia
ISIS Development
Uttis Industrie
Osram
Policolor
Polymont
Pro Auto Industries
Proto Technology
Rom Charter Services
Schoeller Arca Systems
Tesatoritile Reunite
Vigra
Dourdin
Honeywell Garrett
Electroaparataj
Siemens
DaimlerChrysler Automotiv
Emi International
Euro Sandow
YKK Romania



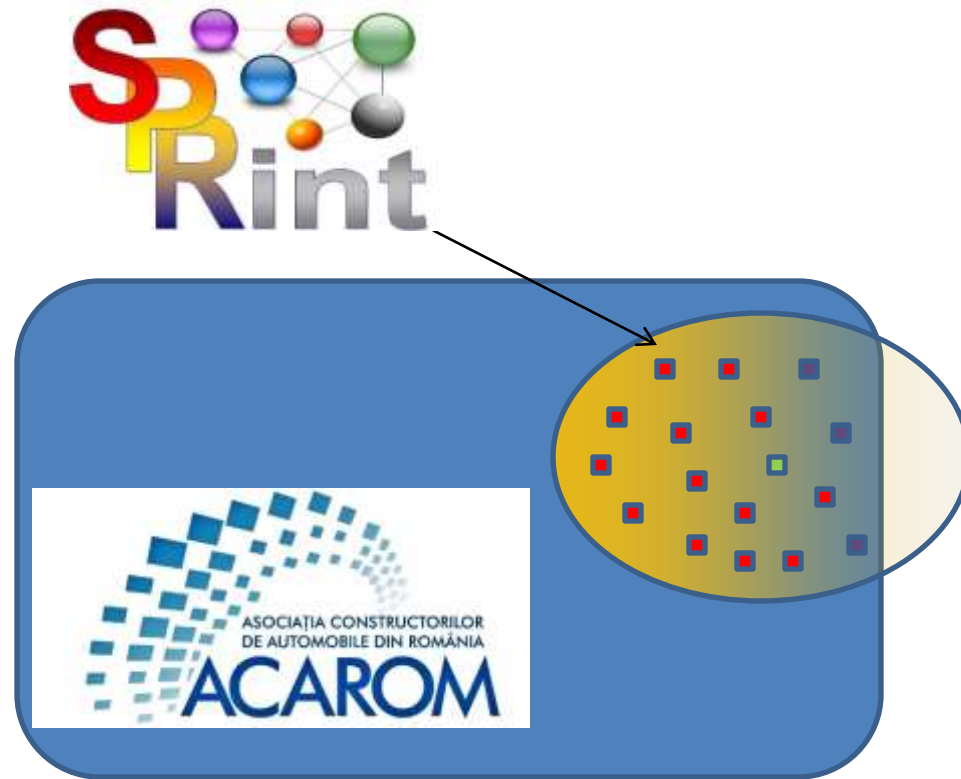
ACAROM

EMC for SPRINT

but also:

- The Association representative for the Romanian Automotive Sector;
- 160 member companies (OEM-s, Tier 1, 2 and 3 suppliers, universities, R&D service providers);
- National and international representation;
- Support for training, R&D projects, internationalization, digitalization and Industry 4.0

SPRINT- ACAROM



The SPRINT cluster and the member companies are using the resources, the competencies and the expertise of ACAROM

SPRINT members








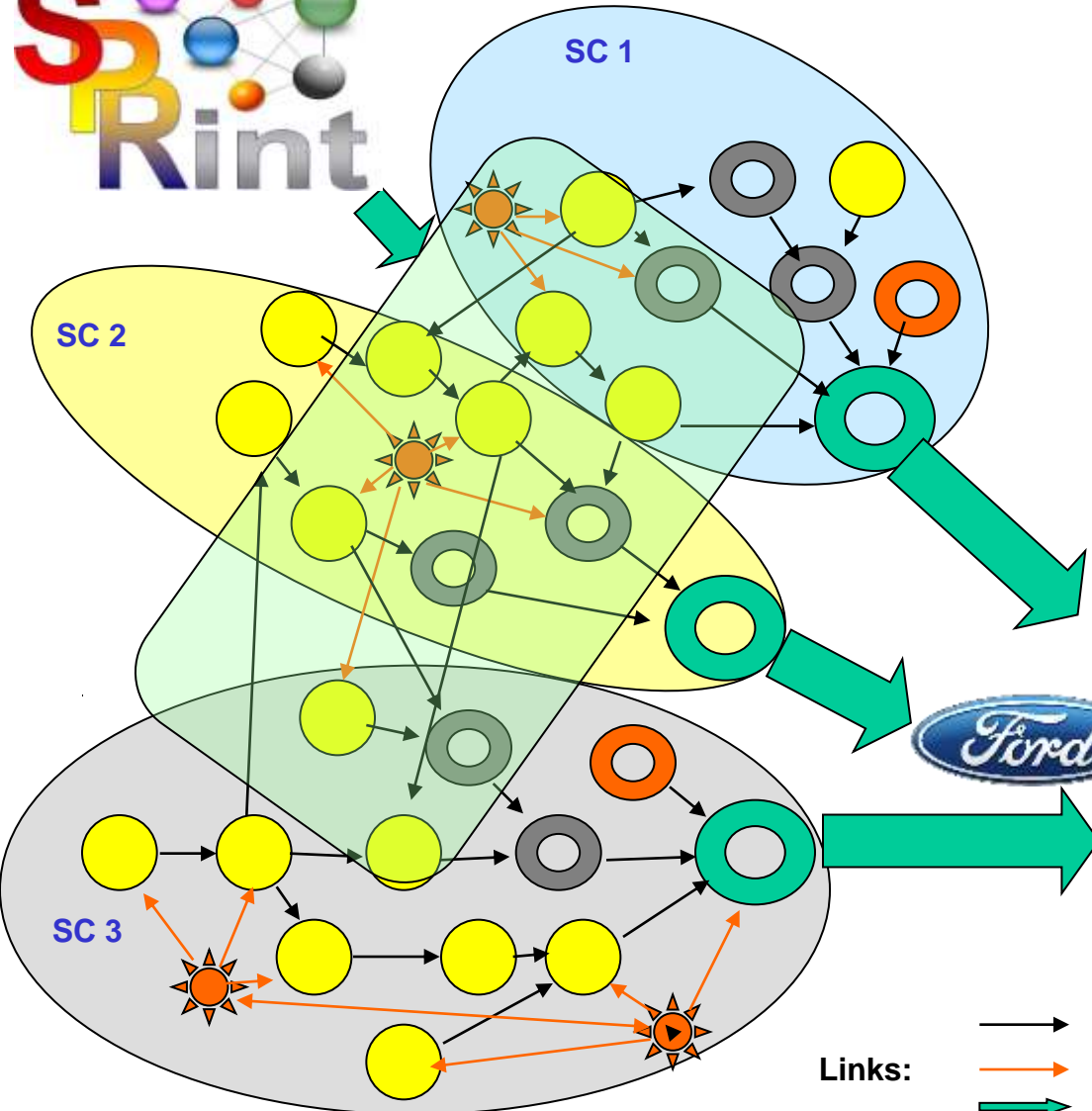
SPRINT




<u>Nr. Crt.</u>	<u>Firma</u>	<u>Locatie</u>	<u>IMM</u>	<u>Tip organizatie</u>
1.	SC ADA COMPUTERS SRL	Bucuresti	DA	Intreprindere
2.	SC ADIDAN NICKEL SRL	Pitesti	DA	Intreprindere
3.	SC AEROMOLD SRL	Brasov	DA	Intreprindere
4.	SC BAMESA OTEL SA	Topoloveni	NU	Intreprindere
5.	SC CAELYNX EUROPE SRL	Craiova	DA	Intreprindere
6	SC COMPONENTE SA	Topoloveni	NU	Intreprindere
7.	SC DELTA INVEST SRL	Mioveni	DA	Intreprindere
8.	SC ELJ AUTOMOTIVE SRL	Titu	NU	Intreprindere
9..	SC IMAGE QUALITY CONTROL DIVISION SRL	Nucsoara	DA	Intreprindere
10.	SC MEFIN SA	Sinaia	DA	Intreprindere
11.	SC METAPLAST SRL	Bucuresti	DA	Intreprindere
12.	SC MUSA PITESTI 96 SRL	Pitesti	DA	Intreprindere
13.	SC OMNIUM DISTRIBUTION SRL	Bascov	DA	Intreprindere
14.	SC ROMTURINGIA SRL	Campulung	DA	Intreprindere
15.	SC RONERA RUBBER SA	Bascov	DA	Intreprindere
16.	SC SOMECO SA	Bascov	DA	Intreprindere
17.	UNIVERSITATEA PITESTI	Pitesti	NU	Universitate

Cluster SPRINT – supply chain (SC) integration



-  R&D - Universities
-  Tier 1 suppliers
-  Tier 2 and 3 suppliers
-  Non-local suppliers
-  Romanian suppliers



- Links:**
-  Components manufacturing
 -  R&D and training
 -  Components and assemblies for vehicles

SPRINT - main current activities

1. Implementing “Industry 4.0”

- Promoting and debating the concept during specific events : (Congress CONAT Brasov 2016), AG. ACAROM, Seminar Dassault, Seminar Caelynx, website ACAROM)
- Organizing periodical meetings with member companies in order to analyze the needs of digitalization, robotics and automation.

2. Training specialists for specific areas

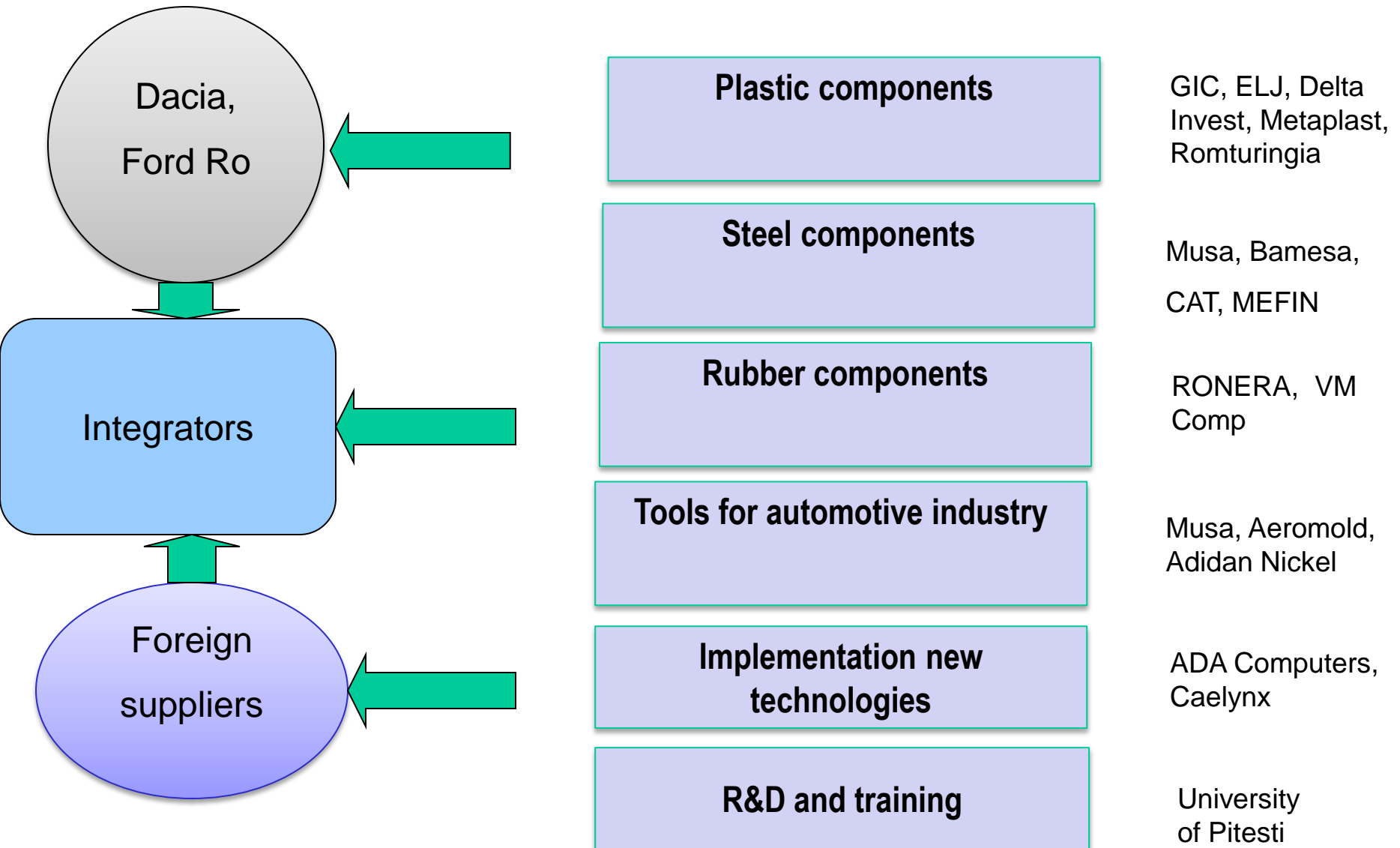
- Organization of training programs for polymers and advanced technologies (cooperation with The University of Pitesti - UPIT)
- Organization of training programs for robotics and maintenance of robots
- Organization of training programs for technicians for automation production lines

3. Facilitate the cooperation between the cluster members and other companies, OEMs, etc.

- Organization of B2B events in cooperation with similar organizations from automotive countries (Germany, France, Hungary, US, UK, etc.)
- Promotion of products and services offered by SPRINT members trough international projects (EEN)
- Participation to International Trade Fairs: Automechanika, Equip Auto, etc.

4. Creation of R&D cores to ease the development of new technologies, products, testing, etc.

SPRINT – functional activities with OEMs



Production in ROMANIA

- SPRINT companies involved -



SPRINT member companies – success stories



ROMCA1
GIC METAL



GIC : a group of companies, Tier 1 supplier that produces plastic and metal components for Dacia and Ford.



RNR
RONERA rubber S.A.
PUTERE PRIM ELASTICITATE

RONERA RUBBER: modern plant for rubber and plastic parts. Supplier for OEMs manufacturing cars and tractors, etc.

caelyn
e u r o p e

CAELYNX : supplier of software solutions for digitalization, engineering, testing, simulation for automotive, aerospace, medical applications.