



AVEVAWORLD
PARIS

OCTOBER 2024

INTERCOS: Ensuring high quality processes & promoting sustainability

Alberto Tapellini, Global IT Industrial Director

Marco Pascale, IT Manager

A Make-Up Fully Paperless

Alberto Tapellini – Global IT Industrial Director, Intercos
Marco Pascale – IT Manager, Cosmint

intercos
G R O U P

INTERCOS GROUP

A global leader in cosmetic product innovation and a partner for multinationals, emerging brands and retailers in the beauty industry. A resilient and constantly growing group, supported by its global presence and its diversified portfolio of proprietary products of the highest quality in all categories.

1

*PLAYER
MAKEUP B2B*

5400

*EMPLOYEES
WORLDWIDE*

+720

*CUSTOMERS
WORLDWIDE*

5%

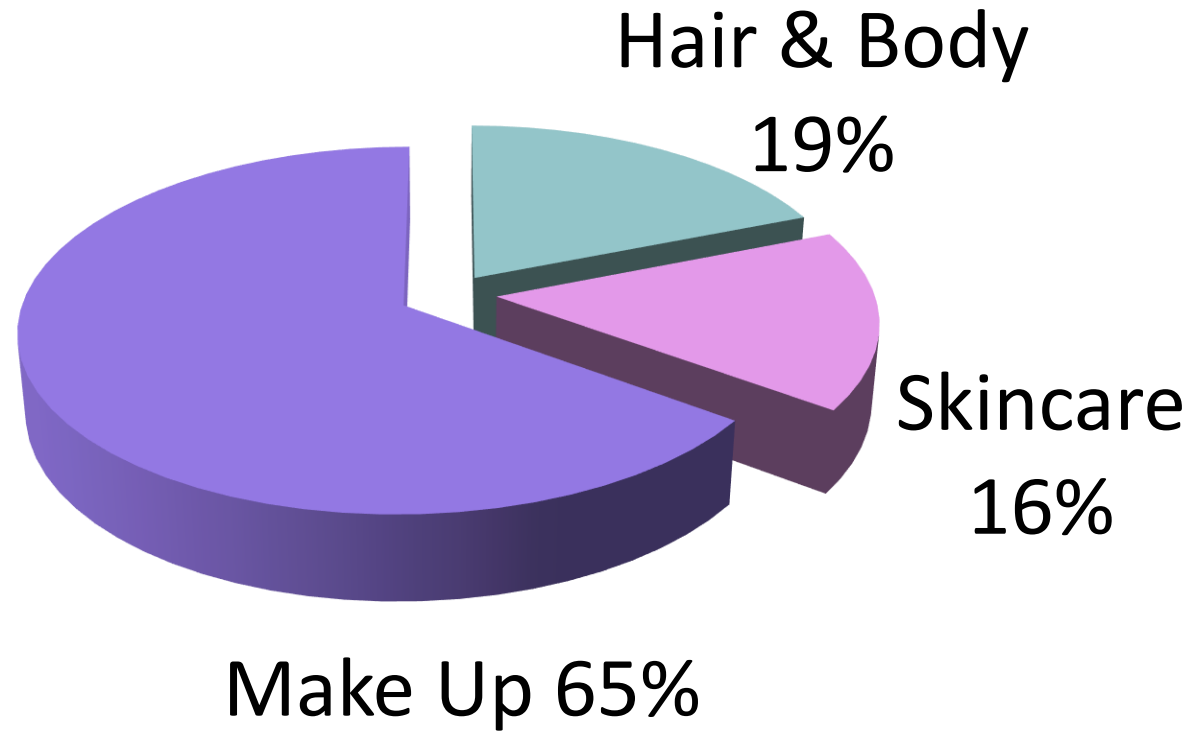
*INVESTMENTS
IN INNOVATION*

1200

*NEW
FORMULAS*

2023 PERFORMANCE

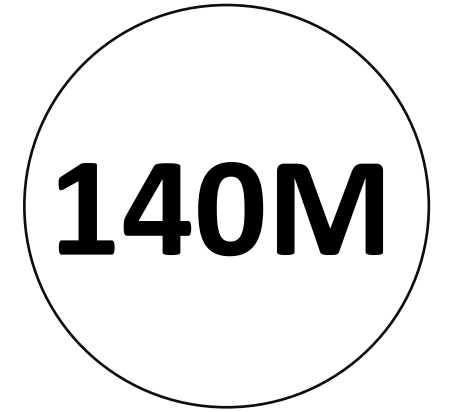
Products



Figures

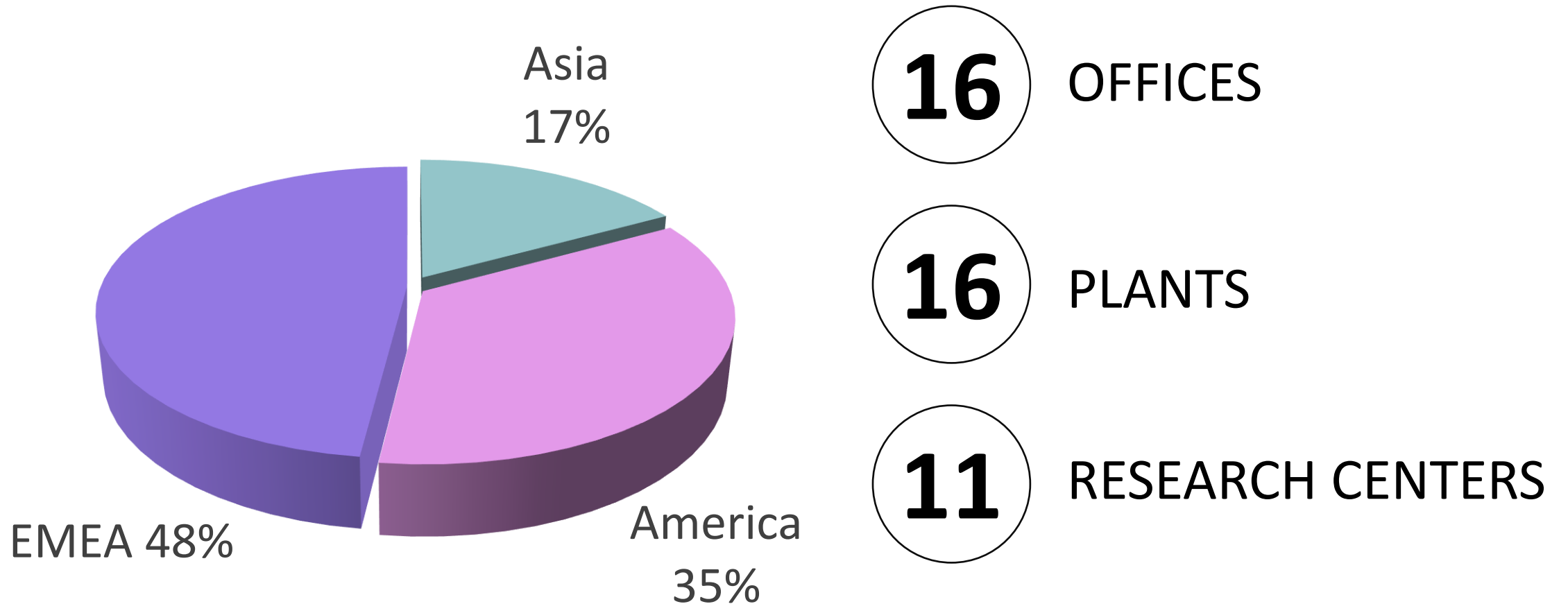


Netsales



Ebitda

GLOBAL PRESENCE



MARKET PRESENCE

Top player

		PER PRODOTTO					PRESENZA GLOBALE
							
		Colour	Pencils	Nails	Skincare	Hair &Body	
		Full	Full	Full	Full	Full	
	Competitor 1	Full	Partial	Partial	Full	Partial	Asia
	Competitor 2	Partial	Partial	Partial	Full	Partial	Asia
	Competitor 3	Partial	Partial	Partial	Full	Partial	Asia
	Competitor 4	Full	Full	Partial	Partial	Partial	Asia & Americas
	Competitor 5	Partial	Full	Partial	Partial	Partial	Europe & Americas
	Competitor 6	Full	Partial	Partial	Partial	Partial	America

Legend		Partial		Full
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INTERCOS CULTURE

Our values



INNOVATION



RELIABILITY & COOPERATION



AGILITY



CLIENT ORIENTATION



PEOPLE EMPOWERMENT



SUSTAINABLE BEAUTY



- PRODUCT DESIGN: Qualified Products (ethics and environment), Clean List
- PROCESS EFFICIENCY: GHG reduction, ZERO WASTE Goal

Our programs



WE VALUE OUR PEOPLE



- Solidarity Recruiting Projects
- Zero Incidents Goal



WE LIVE OUR VALUES



- Business Culture Induction Program
- Anti-corruption training and audits

OUR HISTORY

1972

Founded by
Dario Ferrari

1992

Intercos US

1997

Intercos Asia

2006

Acquisition CRB

2010

Vitalab
CRBBENELUX

2015

Shinsegae Intercos
Korea

2017

Acquisition
Cosmint

'80

Market Expansion
US,UK,France

'90

Expansion
Product Portfolio

2000'

Production sites
in the world

2011

"PrismaShine"
CRB BENELUX
Intercos Sud America

MES PROGRAM: our expectations

GOALS

Real Time Overall Monitoring 01

Provide complete visibility into production status, from raw material input to finished product delivery. Track key performances such as OEE, downtime, production rates, and product quality

Process Optimization 02

Identify bottlenecks, inefficiencies and production issues to continuously improve production flows. Predict equipment failures through predictive analytics and keep machines running efficiently.

Decision Making 03

Enable managers to make informed strategic and operational decisions based on real and accurate data. Facilitate communication between departments through centralized information sharing.



BENEFITS

01 Increased Productivity

Improve resource utilization and reduce downtime through process optimization. Monitor product quality in real time and reduce defects through rapid detection of anomalies.

02 Operational Efficiency

Minimize human errors with process automation and real-time notifications. Reduce raw material usage, energy usage and waste

03 Scenarios evaluation / Responsiveness

Respond quickly to issues and changes in demand with immediate visibility into data and performance. Anticipate critical events with predictive models and machine learning

PILOT PLANT

Some figures

88%

CONTRACT

12%

INNOVATION

30

EQUIPMENTS

50

LINES

1000

EMPLOYEES

150M

PIECES/year

1200

FORMULAS

1900

SKU

PILOT: INITIAL SITUATION



Operations and Quality Management paper-based
Scheduling processes in Excel



Excessive manual activities

Time consuming data extractions



Processes = People



Green fields for the MES

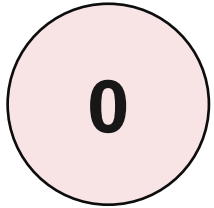
EXTERNAL NEEDS...

Nowadays customers don't want to buy just a product but they are interested, also, in the entire production process.



THE JOURNEY

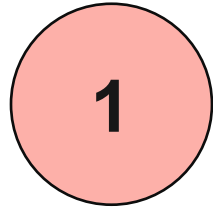
Project towards innovation



3 MONTHS
2022

SOFTWARE SELECTION

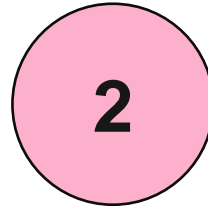
If we're here today.
There's little to say on
this point!



3 MONTHS
2022

DETAILED ANALYSIS

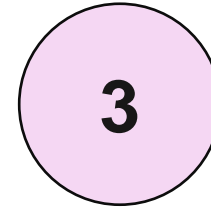
Map the processes
Gather requirements
List *Must have* and *nice
to have* features



4 MONTHS
2023

PILOT PROJECT

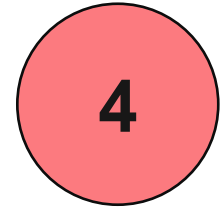
Implement the solution
covering the production
chain on a representative
equipment and lines.



ON GOING
2023-2024

ROLL OUT PROJECT

Cover the 75% of the
production in terms of
numbers of pieces.



TODAY
2024-2025

QUALITY PROCESSES

Cover 100% of the
quality processes.
Including:
Laboratory test and
post-production
check-ups.

PROJECT KEYS POINTS

This is NOT an IT project →



Cross-functional work team



Phased Approach →

- Standardization & Digitalization
- Order Dispatcher & Monitoring
- Processing
- Filling & Packaging
- Pallet Wrapping
- Quality (Crossing)
- Data Collection
- Link Equipment

PROJECT KEYS POINTS

MES Project Ambassador

- New graduates in engineering
- Fresh, open and *hungry* minds



Understand the AS IS and improve the TO BE

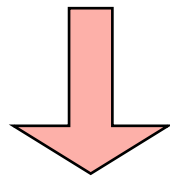
SOME ANALYTICS...

Filling & Packaging

64% of production* in MES



-75% of No-Conformity MES vs NoMES



-45% NC costs (YTD 2023vs2024)

Update at August 2024

*numbers of pieces

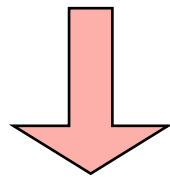
SOME ANALYTICS...

Processing

30% of production* in MES



-92% of No-Conformity MES vs NoMES



-89% NC costs (2023vs2024)

Update at August 2024

* in terms of kg

ORDER DISPATCHER & MONITORING

The screenshot displays the Scheduler software interface, which is used for order dispatching and monitoring. The main window is titled "Scheduler" and contains several key components:

- Calendar Tools:** A top navigation bar with icons for "Esporta in Excel", "Gestione turni", "Visualizza Operatori", "Check sovrapposizioni", "Acquisisci da MES", "Sblocco massivo", and zoom controls.
- Impianto (Plant):** A dropdown menu set to "Processing".
- Data Inizio / Data Fine:** Date selection fields for "25/09/2024" and "10/10/2024", with a "Carica" button.
- Elenco Ordini (Order List):** A table listing orders with columns for "Impianto default", "Stato Job", "Qta da prod...", "Qta schedul...", and "Ordine".
- Elenco Task (Task List):** A table listing tasks with columns for "Nr Operatori", "Inizio", "Inizio Ordine", "Fine", "Qta schedul...", and "Qta Prodotta".
- Impianto/Linea (Plant/Line):** A list of production lines such as "[SA21A]-TRILOOP 1", "[SA22C]-TRILOOP 2", "[SA3A]-OLSA 6000", "[TE18C]-STICK L28", "[TE20C]-TRILOOP 3", "[TE24C]-STICK L28", and "[TE30A]-TE3 3000 - AXOMIX".
- Gantt Chart:** A visual representation of the schedule for "25 - 26 settembre 2024". The chart shows time slots from 00 to 23 on the 25th and 00 to 02 on the 26th. Various colored bars represent different tasks and orders, such as "24-331259, BD2272, 1" and "24-331261, DM0902, 1".

At the bottom left, the status bar shows "Connesso Some Info".

PROCESSING



Cosmint - MES Impianto TE24C Fasi e Passi Mixerman

23-313606 / Prossimo step: 14 - Caricare W2161 : (-L-) 95312161 ISOPROPYL PALMITATE

ORDINE: 23-313606 PRODOTTO: AG7794 LOTTO: AG7794/2300003 STATO ORDINE: **RUNNING**

← INGREDIENTI MANCANTI INTERROGA MAGAZZINO FLOW CHART

FASE	STEP	IMPIANTO	TIPO STEP	INCARICATO	STATO
Fase C Impianto principale	10	TE24C	Carico	Mixer Man	COMPLETE
Fase C Impianto principale	11	TE24C	Attività	Mixer Man	COMPLETE
Fase D Impianto principale	12	TE24C	Carico	Mixer Man	COMPLETE
Fase D Impianto principale	13	TE24C	Controllo	Mixer Man	COMPLETE
Fase D Impianto principale	14	TE24C	Carico	Mixer Man	READY
Fase D Impianto principale	15	TE24C	Carico	Mixer Man	READY

VISUALIZZA DETTAGLI FASE X

DESCRIZIONE STEP

Caricare W2161 : (-L-) 95312161 ISOPROPYL PALMITATE

DPI e FRASI DI RISCHIO

CODICE RI

W2161

STATO

READY

PROCESSING



Esecuzione Passo

Cosmint - MES
Impianto TE24C

23-313606 / Prossimo step: 14 - Caricare W2161 : (-L-) 95312161 ISOPROPYL PALMITATE

Mixerman

ORDINE: 23-313606 PRODOTTO: AG7794 LOTTO: AG7794/2300003 STATO ORDINE: **RUNNING**

Step 14/40
Carico


Stato passo: **READY** > APRI STEP

Fase: **Fase D - Impianto principale** CODICE RI: W2161 28.500 KG

Tempo trascorso: 00:00:00

PARAMETRI	VALORE	MIN	MAX
Pale [rpm]	30 <i>Rif: 30</i>		
Temperatura [°C]	85 <i>Rif: 85</i>	70	

Caricare W2161 : (-L-) 95312161 ISOPROPYL PALMITATE



Note

FILLING & PACKAGING



Cosmint - MES
Linea 05

Fasi e Passi Packaging

ORDINE - PRODOTTO: 23-312919 P191800
CODIFICA LOTTO PF: 32870906TE PROD 10/23
CODICE BULK: P81016
BATCH: 59/23
STATO LINEA: In produzione

SdC DICHIARA BANCALI CAMBIO BATCH - CODIFICA CAMBIO STATO LINEA

Trascina qui le colonne per raggruppare i dati

FASE	STEP	IMPIANTO	TIPO STEP	INCARICATO	STATO
Setup	1	05	Censimento componenti	Packaging	COMPLETE
Setup	2	05	Line clearance	Packaging	COMPLETE
Setup	3	05	Controllo	Packaging	COMPLETE
Setup	5	05	Livello Riempimento	Packaging	COMPLETE
Setup	6	05	Tappatura	Packaging	COMPLETE

DESCRIZIONE STEP

Verificare la presenza in linea di tutti i componenti indicati nella BOM. Per effettuare il controllo sparare i COLLI PE (barcode) presenti sulle etichette. Per le componenti che non hanno un'etichetta verificare visivamente la corrispondenza

STATO

COMPLETE

DATA INIZIO STEP

20/11/2023, 09:32

DATA FINE STEP

FILLING & PACKAGING



Cosmint - MES
Linea 58

Censimento Componenti
23-306138-U011500-33144CYB --> controllo qualità di censimento materiale (60 Minuti)

Packaging

ORDINE: 23-306138

CONTROLLO: PL_PKG_60_CENS202311100013

ARTICOLO/COLLO

Sparare gli articoli

> CONFERMA

Trascina qui le colonne per raggruppare i dati

Cerca...

ARTICOLO	DESCRIZIONE	
U42311	200000235412/1 68142311 DV ORIGINAL	✓
U7911269	8379269 BTL WHITE PUMP 75ML DOVE	✓
U7959271	8379271 PUMP WHITE DOVE 75ML	
U7936272	68246027 8379272 75ML	
U8641407	68686407 BOP DFW PUMP ORIG 75ML	
U8641410	68686410 FOP DFW PUMP ORIG 75ML	
PC983230	67879661 FILM TERMO H230/235 MY40	✓
U8641283	68686283 LBL TUC PUMP ORIGIN 75ML	✓

Note Generali

FILLING & PACKAGING



Cosmint - MES Linea 58 Fasi e Passi Packaging

ORDINE - PRODOTTO: 23-306138 U011500
CODIFICA LOTTO PF: 33144CYB
CODICE BULK: U42311
BATCH: 15/23

STATO LINEA: Pausa

Dichiarazione di Produzione | 23-306138

Trascina qui le colonne per raggruppare i dati

#	CODIFICA	CODICE PALLET	DATA	QTA	TURNO	E' ULTIMO	STATO
10	33144CYA	MES0000124224	10/11/2023, 16:10	3096	1	(Tutti)	CA
11	33144CYA	MES0000124225	10/11/2023, 16:10	3096	1		CA
12	33144CYA	MES0000124226	10/11/2023, 16:10	564	1		CA
13	33144CYB	MES0000124227	10/11/2023, 16:10	3096	2		CA
14	33144CYB	MES0000124256	10/11/2023, 17:05	3096	2		CA
15	33144CYB	MES0000124295	10/11/2023, 18:27	3096	2		CA

+ NUOVO BANCALE

TOTALE: 42540/75000 UN

PALLET WRAPPING



NEXT MILESTONES

Cover 100% of the production chain including Laboratory and post-production check-ups in pilot plant (2025)



Implement the MES solution in a new plant (2026)



TREASURE EXPERIENCE

Project Ambassador

Cross Functional team (it's NOT an IT Project!)

Less Paper More Processes

Pilot Project approach



Thank you!

intercos
G R O U P

Questions?

Please wait for the microphone.
State your name and company.



Please remember to...

Navigate to this session in the mobile app to complete the survey.



Thank you!