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# WhoWeAre

TheCompany

**Servizi Ospedalieri S.p.A.**  
is a specialised company  
of **Manutencoop**

**Facility Management Group .**

It provides Laundry and Sterilisation  
services for the healthcare market.

**Servizi Ospedalieri S.p.A.**

also operates in the industrial market  
with the brand



for management work clothes and DPI.



# WhoWeAre

## TheEmployees

2013	Number*	Mean Age	Years of Service	Women	Men
Managers	8	54	7	2	6
Employees	135	45	12	74	61
Workers	1,075	44	10	728	347
Total	1,218	44	10		

*\* Number of total employees not including temporary workers (Nr. 202).*



# WhatWeDo

## TheServices

### Servizi Ospedalieri S.p.A.

provides many services to support healthcare activities:



- Laundry
- Wardrobe management
- Integrated internal logistics



- Supply and sterilisation of reusable surgical textiles for the operating room

**LOWaste**



- Design, implementation and management of sterilisation units for surgical instruments
- Management and rental of surgical instruments





# What We Do

## The Numbers

Serve over 100 hospitals and nursing homes;

Serve over 700,000 field operators;

Manage over 20 sterilisation units throughout Italy;

Wash over 40,000,000 kg of linen;

Ensure more than 300,000 surgeries;

Manufacture more than 300,000 surgical instrument kits;

Manage over 45,000 beds;

Dress over 120,000 health workers;

And much more.....



# HowWeDolt

## TheLocations



Headquarters in  
Ferrara  
Emilia-Romagna

Lucca  
Tuscany

Teramo  
Abruzzo

Marcellinara CZ  
Calabria

LAUNDRY



TTR



CSSD



# HowWeDolt

TheCSSD

## Servizi Ospedalieri S.p.A.

manages more than 20 sterilisation units run by its own staff, within hospitals.

The services we provide **ensure** more than 300,000 surgical procedures each year .



# HowWeDolt

TheNewCo

Created in 2013  
in Ankara, Turkey:



## Mission.

**EOS** is established with the aim of presenting hygiene services to hospitals using a non-conventional, holistic approach, challenging industry standards in this regard.

**EOS** is established by professionals who combine their knowledge, expertise and worldwide experience in the medical market. It aims to present world standards in the delicate field of hospital hygiene.

A joint venture between



&





# HowWeDolt

## TheCertifications

### Quality

**UNI EN ISO 9001:2008**

**Quality Management System.**

**UNI EN ISO 13485:2004**

**Quality Management System for the design, development, production and supply of medical devices.**

**UNI EN ISO 14065:2004**

**Quality Management System for textile biocontamination control.**

### Organisational

**BS OHSAS18001:2007**

**Occupational Health and Safety Assessment Series.**

### Environment

**UNI EN ISO 14001:2004**

**Environmental Quality Management System for production sites.**

### CE Certification

**Marcatura CE – European Directive 93/42/CE**

**Conformity Certification CE for TTR and Surgical Instruments.**

### Ethical Code

**Quality Management System of ethics - ex D.Lgs. n. 231 / 2001.**



# Reusable Surgical Textile

The Product

Sterile cotton was the main fabric originally used in operating room for the preparation of the operating theatre.

Since 1996, **Servizi Ospedalieri S.p.A.** has provided sterile kits in reusable polyester.

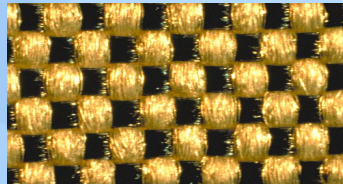


# Reusable Surgical Textile

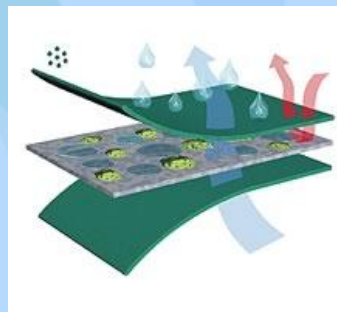
The Product

Since 2004, **Servizi Ospedalieri S.p.A.** has provided Reusable Technical Textiles (TTR) in compliance with UNI EN 13795.

Microfibers



Laminates



# Reusable Surgical Textile

The Product

Reusable Technical Fabric (TTR) and Non-Woven Fabric (TNT) are used today in operating rooms for the preparation of the operation theatre.

- TNT is used once and disposed of as special health waste;
- TTR is reused 80 times (washing and sterilization) and disposed of as unsorted waste.





# Reusable Surgical Textile

TheProject

- Every year **Servizi Ospedalieri S.p.A.** disposes of approximately 90,000 kg. of TTR;
- TTR was treated simply as waste until 2010;
- Since 2011, **Servizi Ospedalieri S.p.A.** has started a research programme for the recycling of decommissioned TTR.



# Reusable Surgical Textile

TheProject

## RESEARCH OBJECTIVES:

- Locate companies processing waste from plastics and synthetic textiles;
- Analyze the waste transformation processes;
- Locate a company partner for practical experimentation;
- Define the TTR transformation process.



# Reusable Surgical Textile

TheProject

## 1<sup>st</sup>STEP: CASES OF INDUSTRIAL RECYCLING OF DECOMMISSIONED TTR



TTR is decommissioned clean and sanitized by microbiological agents



Fraying - sfilacciatura  
soundproofing panels



Garnetting -  
garnettatura  
automotive padding



Flocking - Flocatura  
Woven covering  
fabrics



Difficulties were encountered because the low amount of waste is not in line with the amount of materials required by recovery companies

# LowasteProject

TheProject

## 2<sup>nd</sup> STEP: REUSE OF DECOMMISSIONED TTR



The **Lowaste Project** envisions a future for the reuse of the operating room technical textiles (TTR)





# LowasteProject

TheProject



Production decommissioned TTR from the sterilization centres

Sending to the collection station



The first prototypes from artisan workshops



# LowasteProject

TheProject

The philosophy of reuse is explained to our partners and is highly appreciated: with the **Lowaste Project, Servizi Ospedalieri S.p.A.** wishes to prove to its customers that TTR is a sustainable product and that its life cycle is never ending!



# LowasteProject



**THANK YOU VERY MUCH FOR  
YOUR ATTENTION!**