



RETRACKING APPLICATION EXAMPLES

Industrial & Commercial

Gees Recycling Srl – Franco Mioni CEO , Giorgio Betteto R&D

RFID & NFC are contactless tags and sensors

Safe, low-cost devices that permit not only identification of product but many more opportunities

From BtoB to BtoC to general public informations , application are nearly endless



Here we present the firsts results of
RETRACKING PROJECT

Gees Recycling unique and patented recycling technology
Integrate and exploit perfectly these devices

RFIDs and NFCs are embedded in panels and components during the
Production process , in automated way

Tags and sensor are *inside* the material , in average 3 to 5 mm below the
surface

Are not evident to sight, protected from water, liquids, UV and other
environmental effects by the high resistance of RECOMPLAX RFM material
Not only would be recycled at end of life of panel, but will help in identifying it
during the recycling process



NFC tag embedded



Tag application sequence



NFC tags



NFC tags before moulding in press



Check of tags after process



Tag application sequence - 2



Calibration of panel



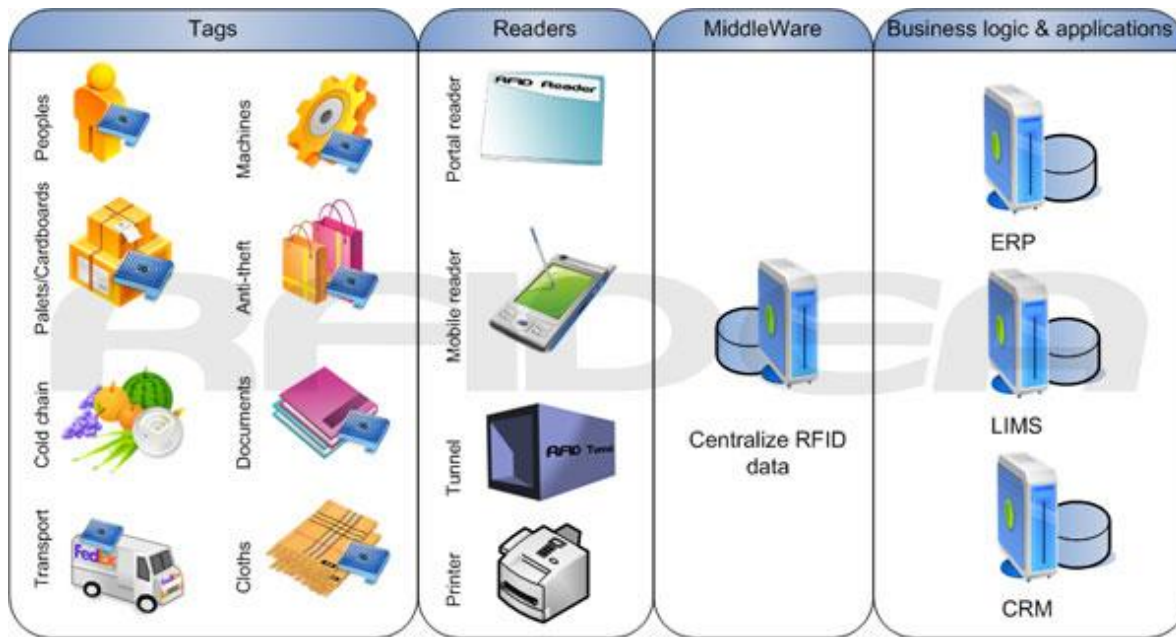
Panel marking for subdivision



Subdivision cut

RETRACKING
 Innovation :

Everything built
 could be a RFID/NFC
 Operator !



Pavement
 Walls

**ANY
 PART OR
 PANEL**

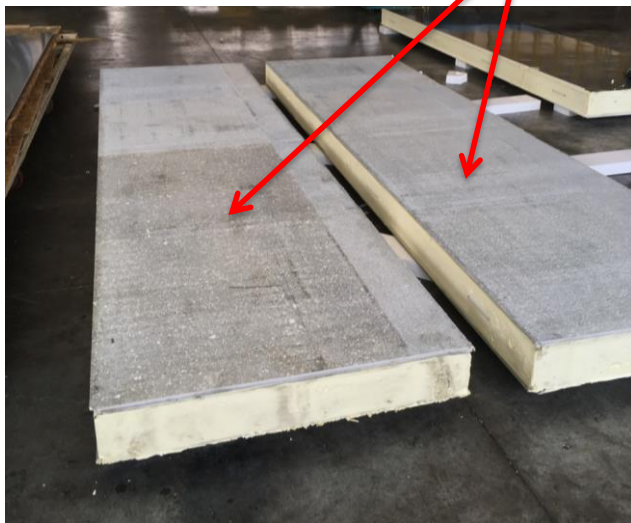
Kitchentops
 Benches

Industria 4.0 application

Cold chain warehouses

RFID & NFC sensors inside the insulated floor could check climate parameters and “talk” with the company ERP

Result :
Intelligent
logistic



Horeca & Commercial applications

RFID & NFC embedded in the surfaces will interact with customers

Invisible, protected from any spill or liquid, resistant to cleaning products

Could start APPs, connect to links, start videos or music... or do simple things like ring a bell to call waiter..



Horeca & Commercial applications

RFID & NFC embedded in the surfaces will interact with customers

Invisible, protected from any spill or liquid , resistant to sanitizing agents

Could start APPs, connect to links , start videos or music... or do simple things like open taps

With no cables, no wiring and 100% recycleability



Furniture applications

Recomplax RFM recycled materials , with Retracking technology could add to this claims :



100%
Circular
economy

Traceable
From cradle
to waste

Interactive
&
connected



Image courtesy of Kronosystem Eurocomponenti

Furniture applications

Recomplax RFM recycled materials , with Retracking technology could :

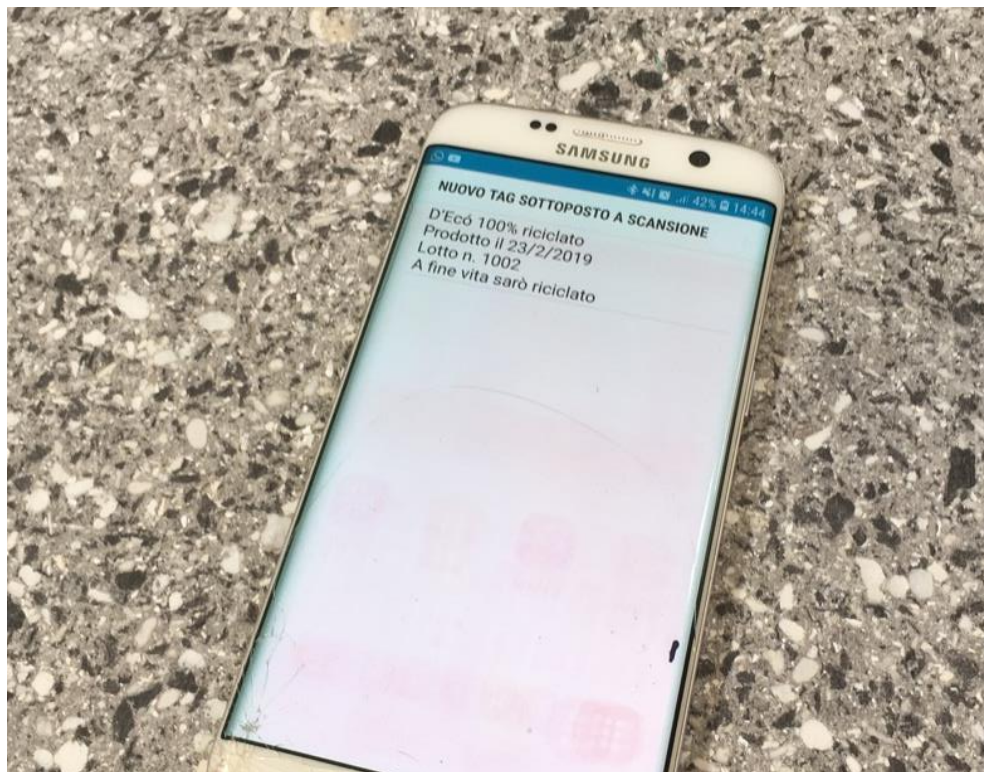
Panels and components that could

TELL THEIR HYSTORY !

100%
Circular
economy

Traceable
From cradle
to waste

Interactive
&
connected



Construction and Urban application

Recomplax D'Eco'® flooring
System

Ready to install, no mortar
or glue required

High resistance to wear,
liquid, shocks

With RETRACKING inside,
shop areas become
interactive with customer
presence !

Inside or outside non
problems !





The limit to applications is like our products life : ENDLESS !

Thanks for your attention