logikamente
industrial operations software

become a smart factory!
advanced analytics
to convert into a data driven company

TABLE OF CONTENT

ABOUT US.

Logikamente s.r.l. is a software house based in Ferrara, active in the development of customised software and management systems for manufacturing companies.

Through **materialSUITE™**, a set of software solutions that make factory production and operational processes more efficient, logikamente guides companies through the digital processes that transform traditional plants into Smart Factories.

MEET THE TEAM

CEO
Stefano Ciammarughi

team leader
Nicolò Ferraresi

team leader
Denise Lipparini

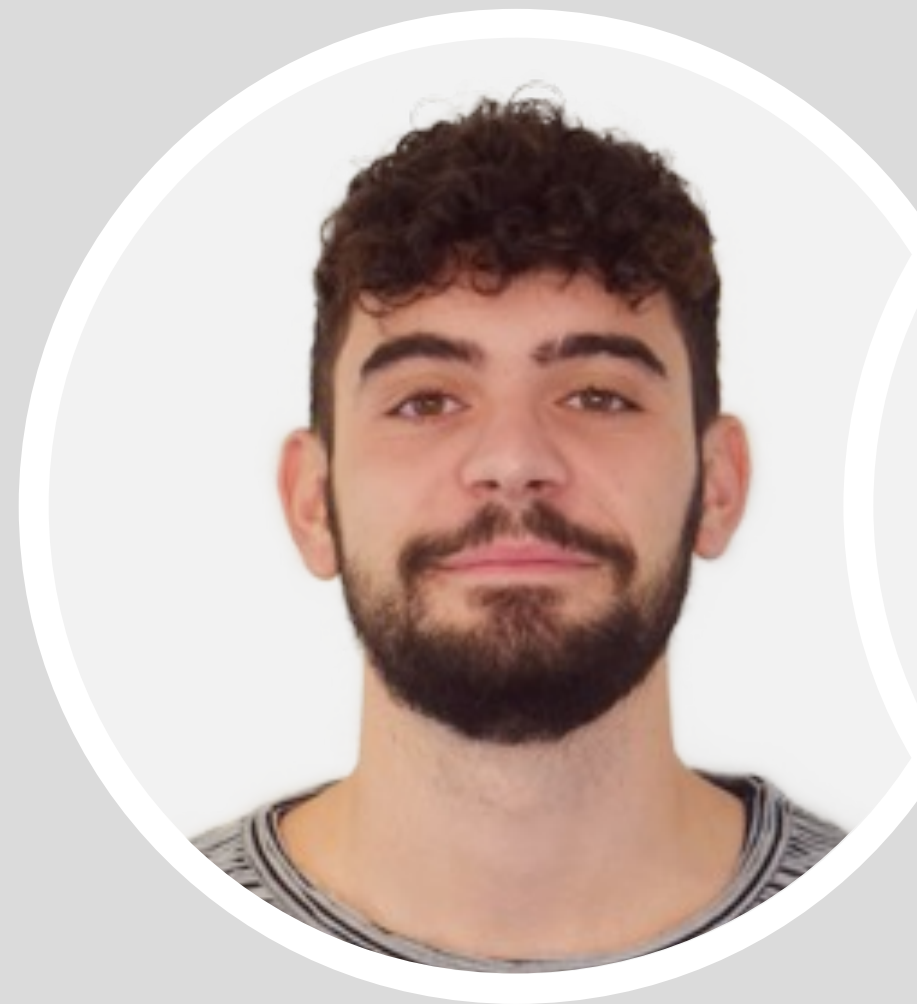**developer**
Matteo Chiozzi

operations
Fabio Bolognesi

MEET THE TEAM

developer
Edoardo Bizzi

UI designer
Ilenia Verzola

financial
Monica Calderoni

sales
Marco Tebaldi

marketing
Elena Marangon

MESSAGE FROM THE CEO.

STEFANO CIAMMARUGHI

CEO & FOUNDER

Not long after logikamente's 10 year anniversary, I feel the need to change gear. I owe it first and foremost to the company I founded on February 11th 2011, but as you know, companies are made by the people who feel the responsibility of completing their duties entrusted by clients on a daily basis.

That is why I owe them a clear direction, vision, albeit in the short term, of clear, achievable and measurable objectives that will lead the organisation to increasingly international objectives.

I have always tried, for over a decade, to give my collaborators a vision, a professional goal to be achieved at all costs, overcoming mental limits and, above all, finding within their own means, often hidden, that the human mind disguises, giving us the feeling of not being able to do it.

In this new era, if it's true that business must be data driven, then it means that the company must also be led by analytically designed actions, abandoning the needle in a haystack approach.

MISSION AND VISION.

MISSION & VISION

Hello! We are logikamente.

We automate production processes with management softwares within the manufacturing companies, promoting intelligent resource management and distinguishing ourselves with professionalism, dedication and availability.

We spread the software culture so as to become the reference point for this who need support during the industrial digitalisation process and be faithful companions for those already in the 4.0 reality.

We produce innovation after adopting the agile methodology: people always at the center, rejects managed quickly, work shaped on context conditions.

TRAITS

Hello! We are logikamente.

E — ENTHUSIASM

Our actions are driven by passion. We give the right energy to each project to achieve the objectives set by the clients.

V — VERSABILITY

We adapt and shape the different solutions based on the customer's needs, creating completely tailor-made products.

U — UNIQUENESS

We dedicate time, attention and commitment to each project to create exclusive and original experiences.

A — APPROACH

We have already achieved so many goals, but we still see many gold to be conquered to take the customer to new horizons

HISTORY.

OUR HISTORY

Hi! We are logikamente.

Since 2011 we have written many lines of code and with them also our path. Our history begins as a web agency, at the time we were located in Ferrara's historical city center, but with the passing of time that denomination was no longer adequate. We felt the need to distinguish ourselves from what was then thought of as fashionable by many. We started specialising in software and management development, our team welcomed new professionals and with them also a new office setting.

Since then we have been developing applications to automate industrial production processes, with particular attention to the manufacturing industry.
Our goal is to accompany our customers on their transition and digitalisation journey, a journey that highlights the importance of data and organisation with the aim of improving the processes within their company.

2011
foundation year

+400
assisted customers

+8000
solved assistance tickets

+650
performed installations

HISTORY

Software is the future

01/01 2015

31/12 2022

software is
the future

startup company

focus on **software house**

4 developers

20 web applications

10 active customers

technology company

focus on **technology**

10 developers

+1 suite, **+20** modules

400+ tailored software

materialSUITE™

materialSUITE™, LET'S GO TO THE SMART FACTORY!

manufactoring operations management (MOM) software

MES

progress and traceability

WMS

intelligent warehouse
management

SCH

plan and schedule
work plans

MTM

Methods Time
Measurement

CUSTOM

product configurator and
estimator

DIGITAL SMART FACTORY

materialSUITE™ is the MOM suite for analysis, control and communication within the factory

MES production progress: increase productivity and reduce waste

WMS warehouse management: intelligent storage and picking precision

SCH scheduling: program the processing phase quickly and intuitively

MTM time recording: machine (OEE) and human (OLE)

MACHINE link 4.0: bidirectional machines and software

CUSTOM formulate the best quotation based on delivery times and costs

5G

ADVANCED ANALYSIS AND MONITORING

manufactoring operations management (MOM) software

OEE and OLE analysis

01

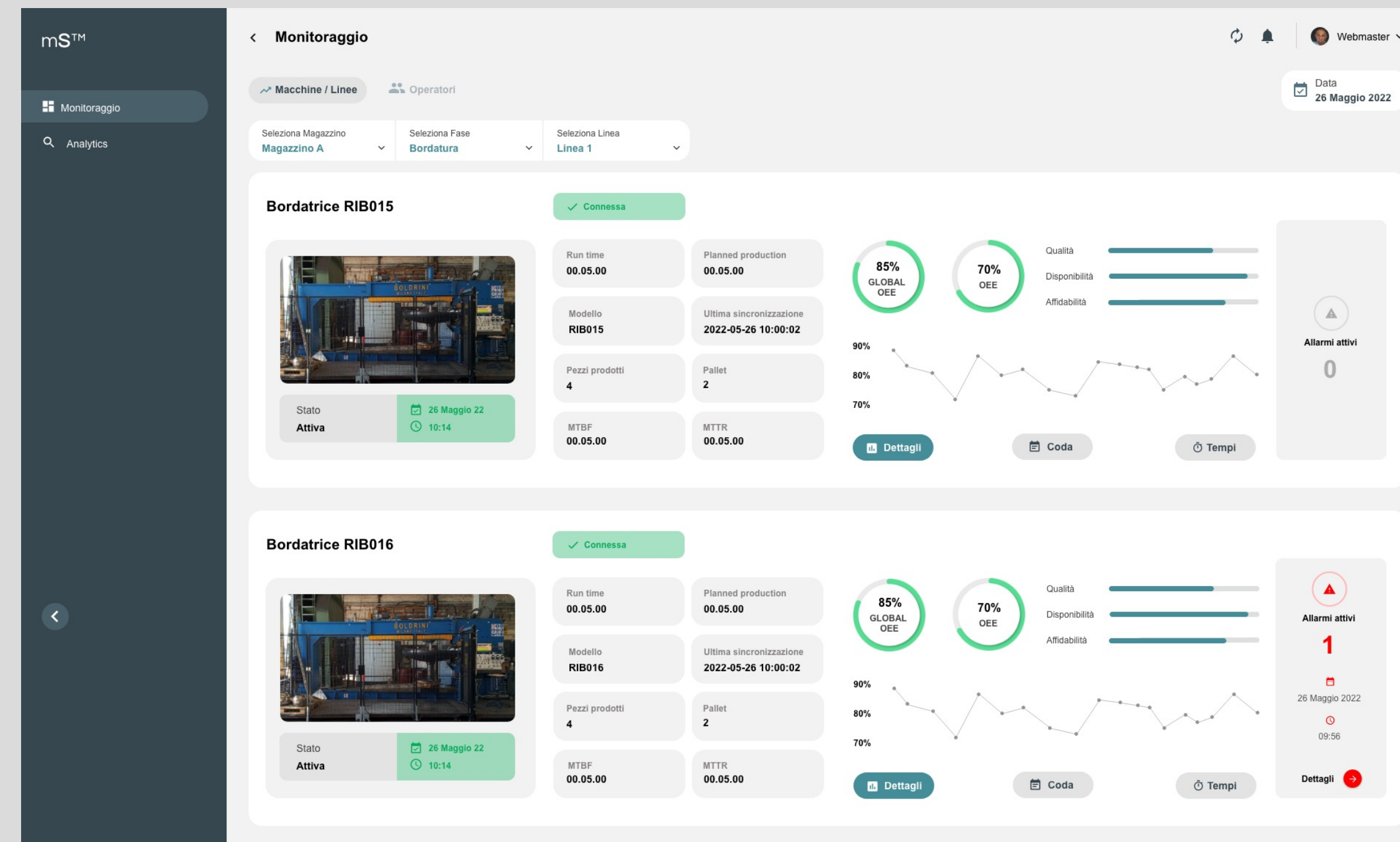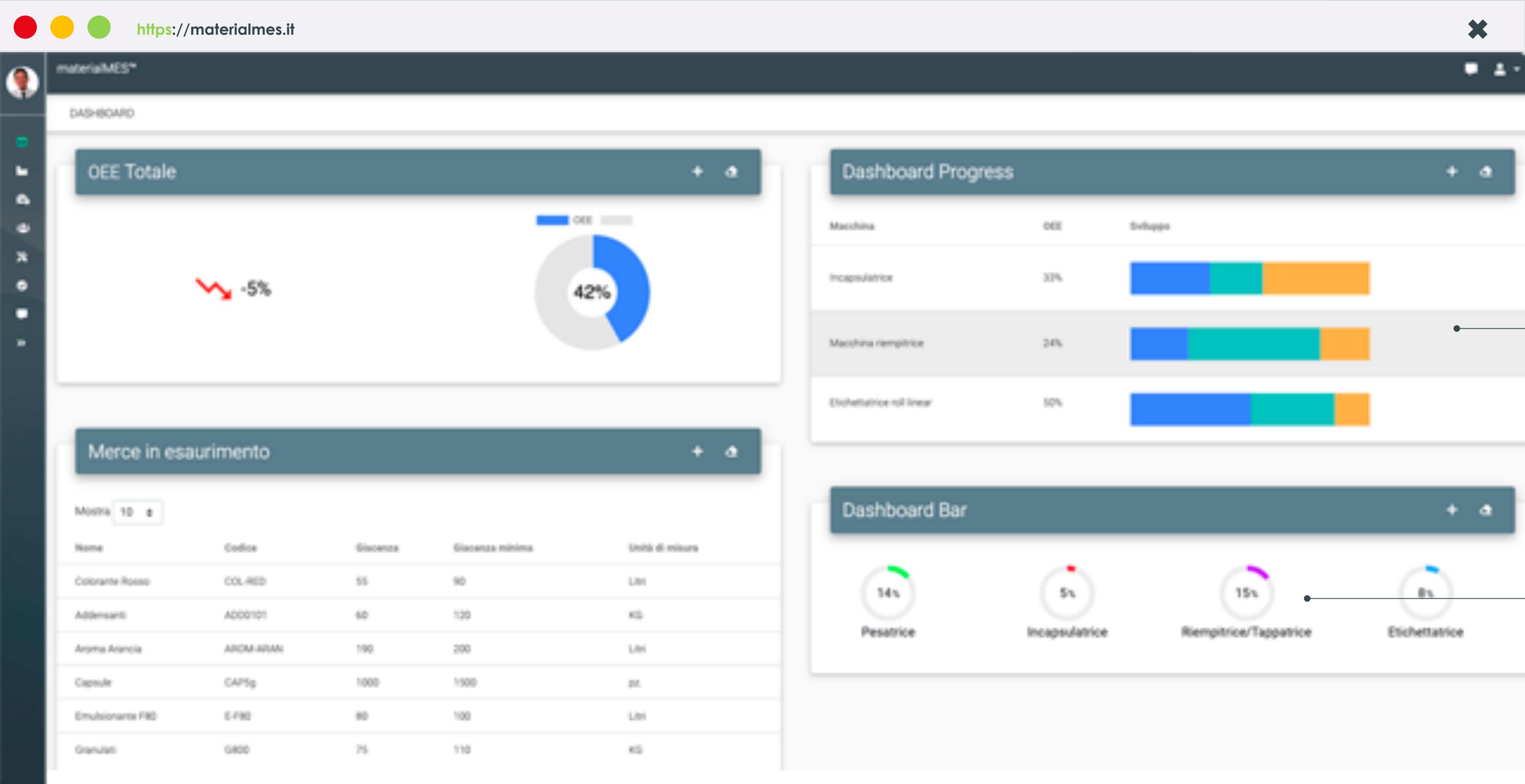machine downtime reduction

02

real-time data

03

data history

04

MES
progress and traceability

dashboard progress
machine productivity status provided using the data acquired by the PLC

dashboard bar
OEE index divided per machinery type

MES
machine in the production plant

machine

a fully responsive area with view and filters, that processes in real time data for each machine, providing information about production KPIs, the queue and the order the machine is working on

materialSUITE™

MACHINES

Spiral mixer	KS 130
	10/11/2021

STATISTICS	QUEUE	HISTORY

31%	27%	37%	31%
OEE	Quality	Availability	Reliability

Tunnel kiln	FT 200
	10/11/2021

STATISTICS	QUEUE	HISTORY
Contract	Order	Pieces
30	49	4
27	48	10
25	49	3

Electric fryer	AFP FPE 25
	10/11/2021

STATISTICS	QUEUE	HISTORY

Quantity: **184**   Total hours: **27:24:41**

MES
dashboard production progress

materialSUITE™

COMMISSIONING OF ORDERS

	Order #	Client	Description	Progress	Date	End date	State	Actions
☐	40287	Liu Jo	ZIP SPIRALE T3 FINITURA NIKELCHIUSURA LAMPO UN CURSORE DIVISIBILE	Finished	01/07/2022	30/07/2022	100%	⋮
☐	40286	ROBOPAC SPA	S-HT-2 x4 Robopac Spa	To finish	30/10/2021	28/07/2022	80%	⋮
☐	40290	Solaris Tende Srl	T1000 x6, Solaris Tende Srl	To finish	21/09/2020	04/07/2022	50%	⋮
☐	40288	SEIPEE S.P.A.	S-HT-1 x4, T1000 x2, SEIPEE SPA	Confirmed	16/09/2021	17/02/2022	40%	⋮
☐	40289	PALAGINA srl	S-HT-2 x6, PALAGINA Srl	To finish	16/09/2020	29/07/2022	20%	⋮
☐	40285	Arquati S.P.A.	S-HT-1 x6, T-HS-1 x2, Arquati Spa	Confirmed	01/07/2022	15/07/2022	10	⋮

SHOW 10

completion status

overall delay calculation for each job, showed on a percentage bar using traffic light colours

MTM
Methods Time Measurement

work phase status of the jobs launched throughout the day

active phase specifics

an explosion of details that highlights the activities of each operator in the factory in real time

MTM
MTM dashboard synchronization
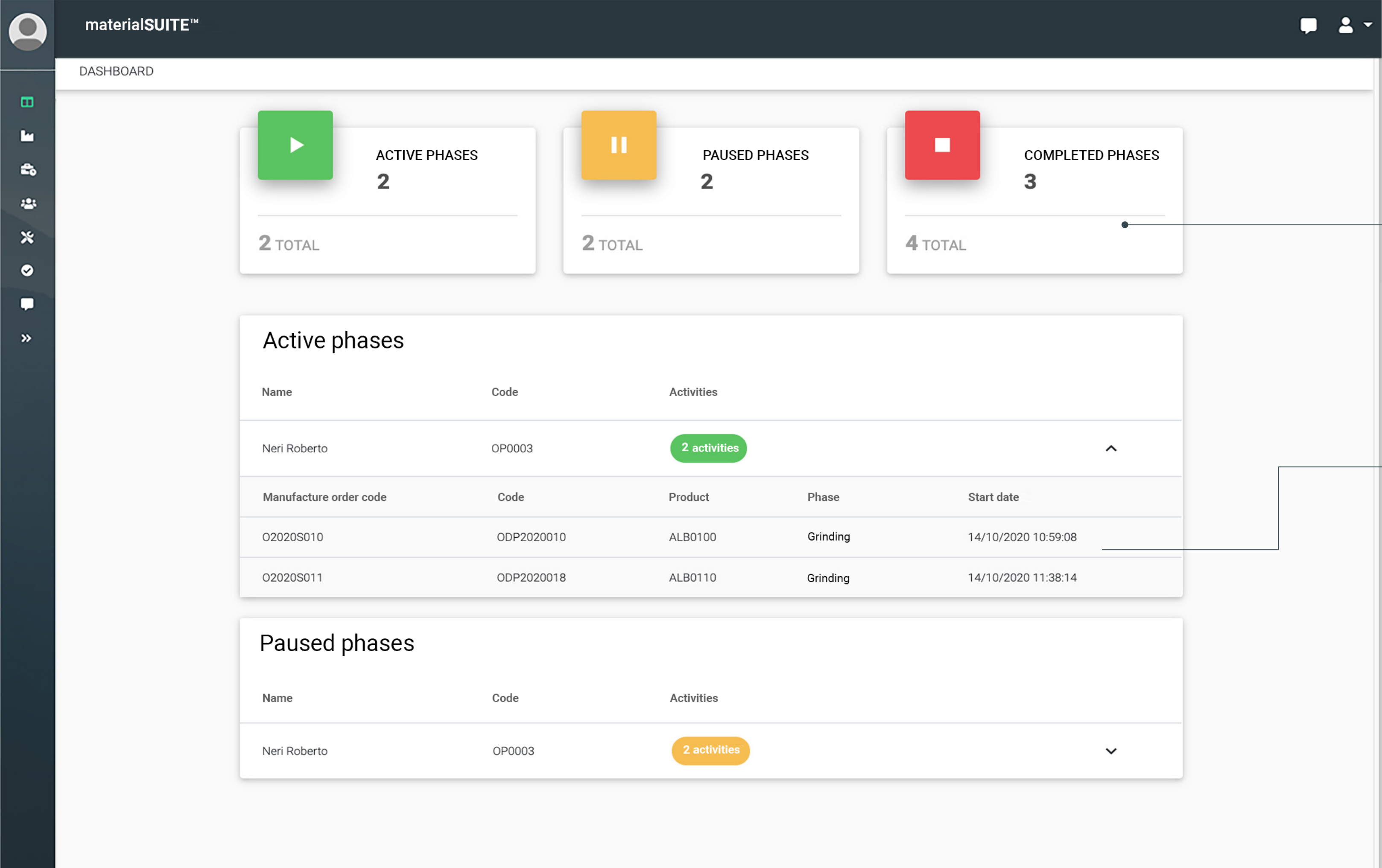
materialSUITE™

DASHBOARD

ACTIVE PHASES
2

2 TOTAL

PAUSED PHASES
2

COMPLETED PHASES
3

Active phas...

Name

Neri Roberto

Manufacture order co...

O2020S010

O2020S011

Synchronization

Select the action to perform

☐ Import

☐ Export

CANCEL   DO

Paused phases

Name	Code	Activities	
Neri Roberto	OP0003	2 activities	⌄

management synchronization

mySUITE app
authentication and take in charge of manifacturing orders

operator access
operator recognition using authentication
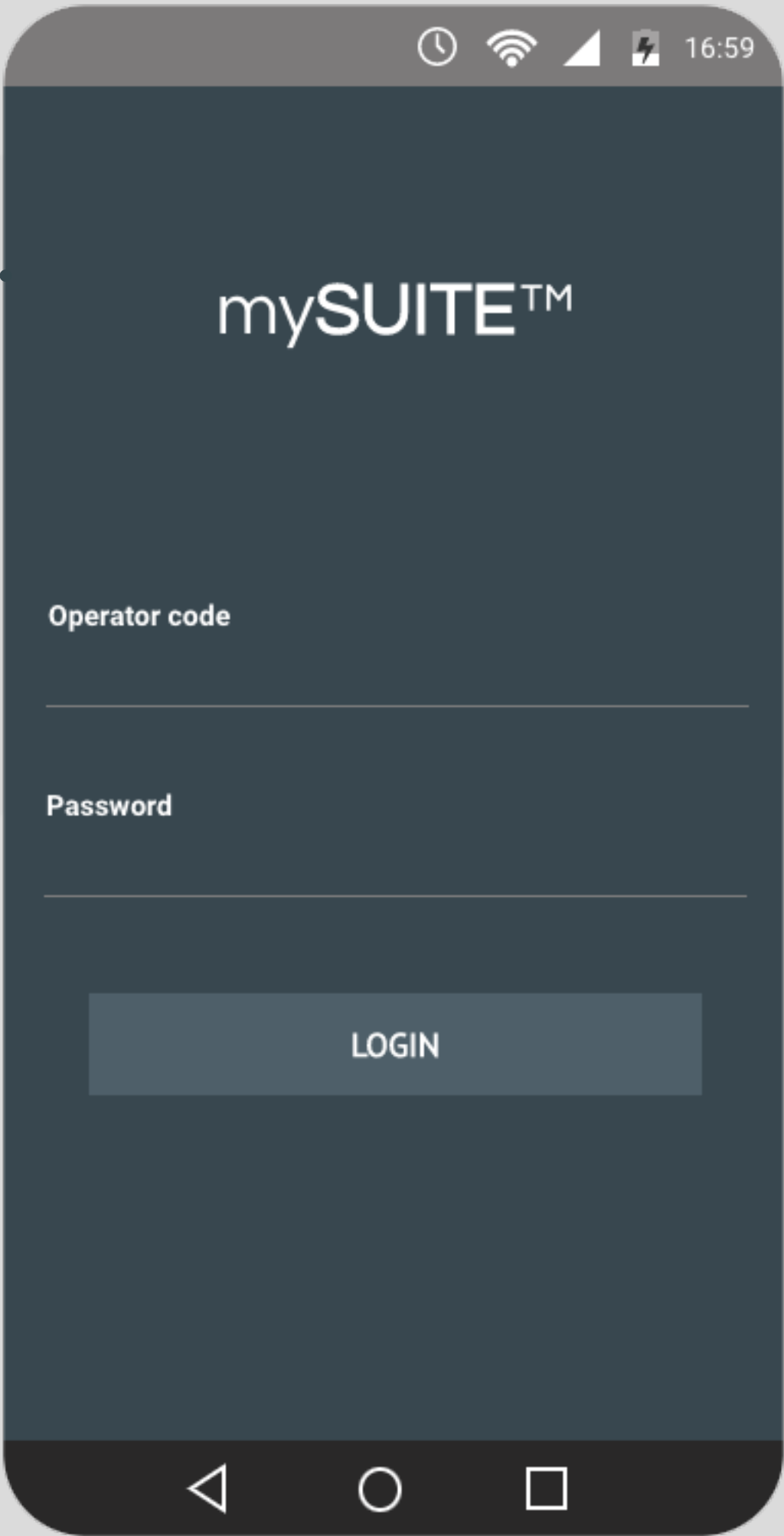
batch/production reading
the operator assigns orders
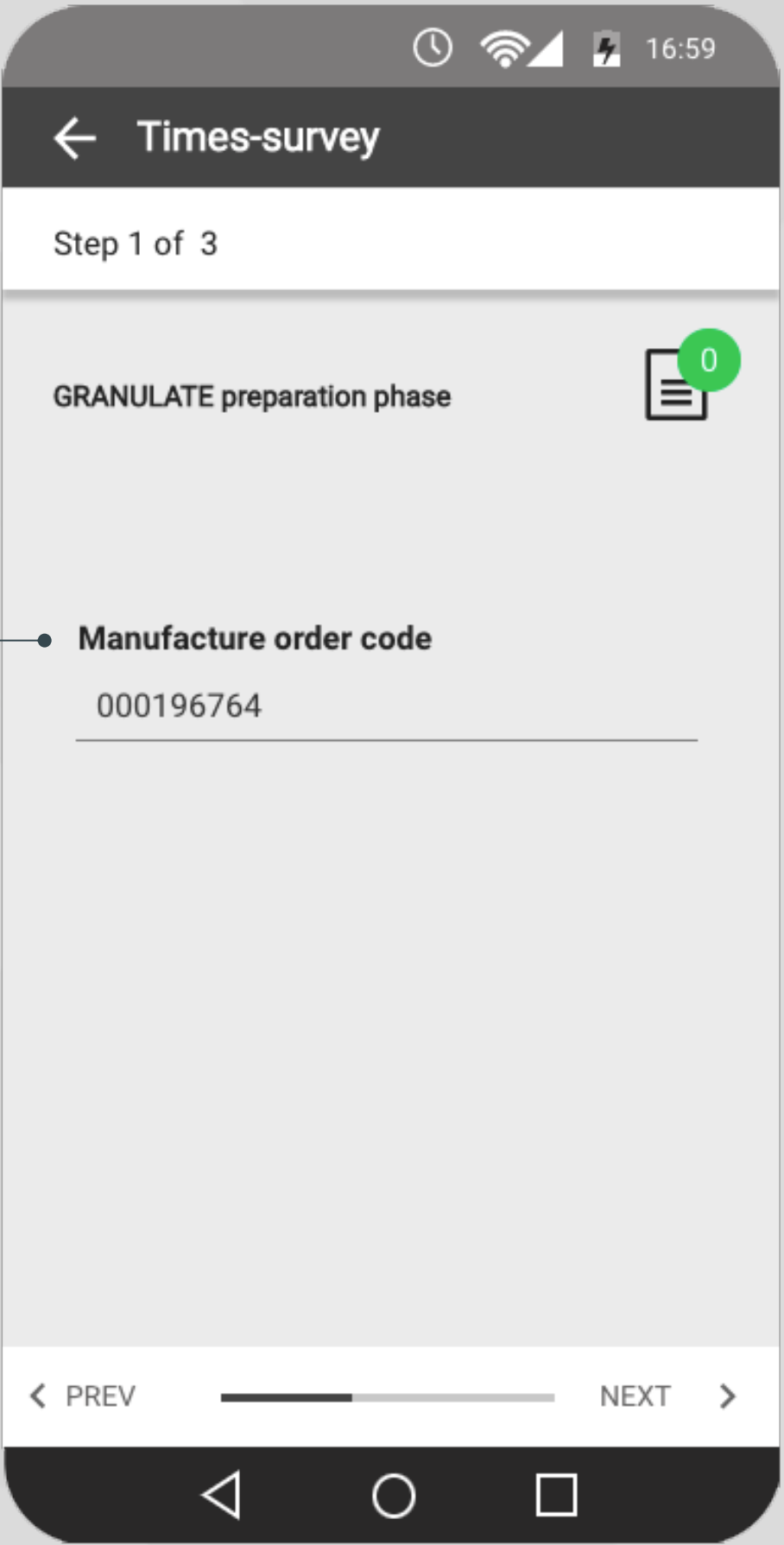
camera/laser/keyboard
order reading mode

mySUITE™

Operator code

Password

LOGIN

16:59

← Times-survey

Step 1 of 3

GRANULATE preparation phase

0

Manufacture order code
000196764

‹ PREV   NEXT ›

mySUITE
processing steps and times

phase choice

the operator chooses which work phase to assign to each order

start&stop

the operators report times taken for each production order

Screen 1: Times-survey — PHASES

Sheets metal picking		Go
Cutting		Go
Positioning		Go
Crowning		Go
Removal PVC		Go
Edging		Go
Degreasing		Go

Screen 2: Times-survey

CUTTING phase

01:42:55

GO

PAUSE

STOP

mySUITE
manifacturing order choice
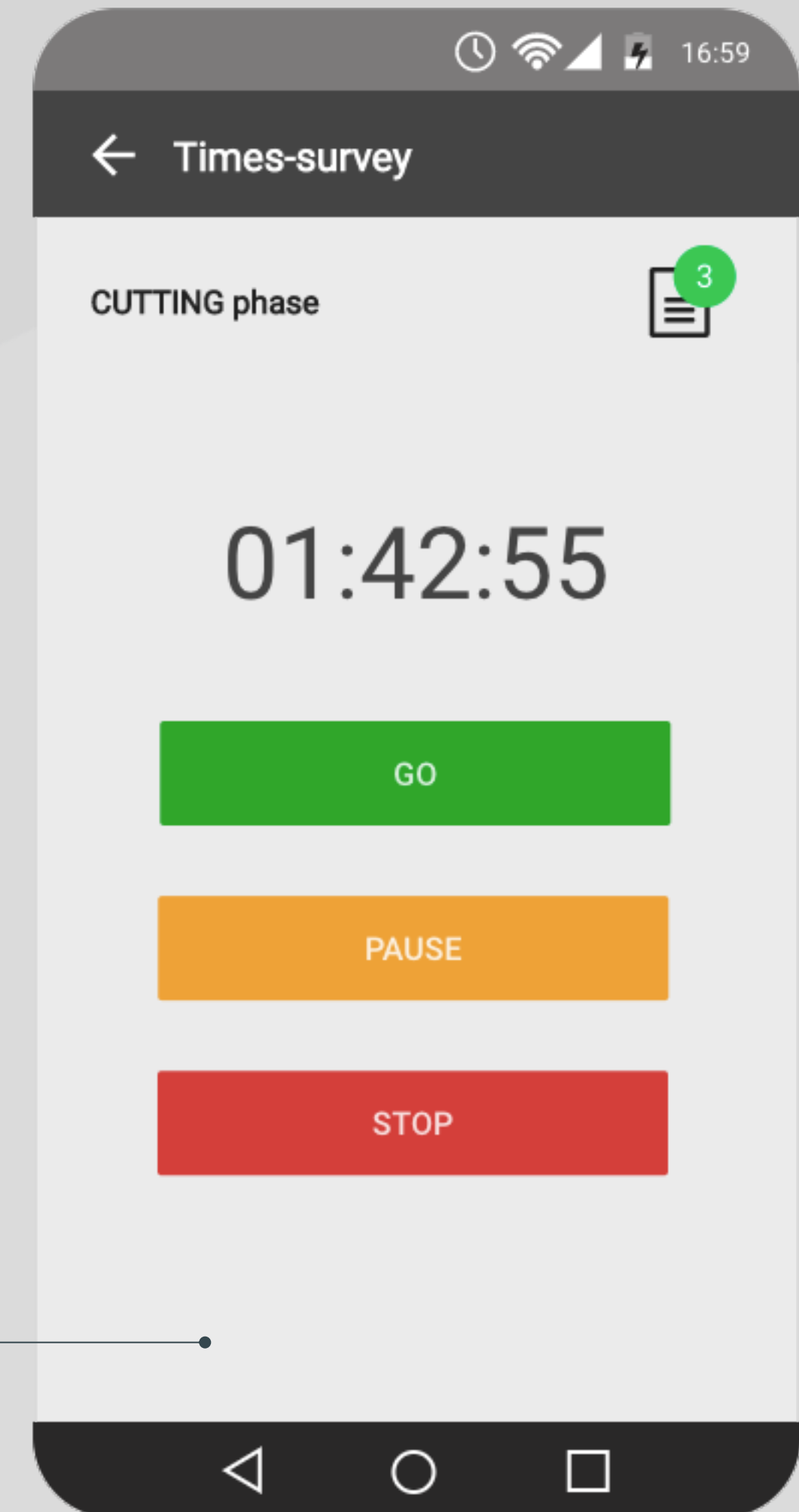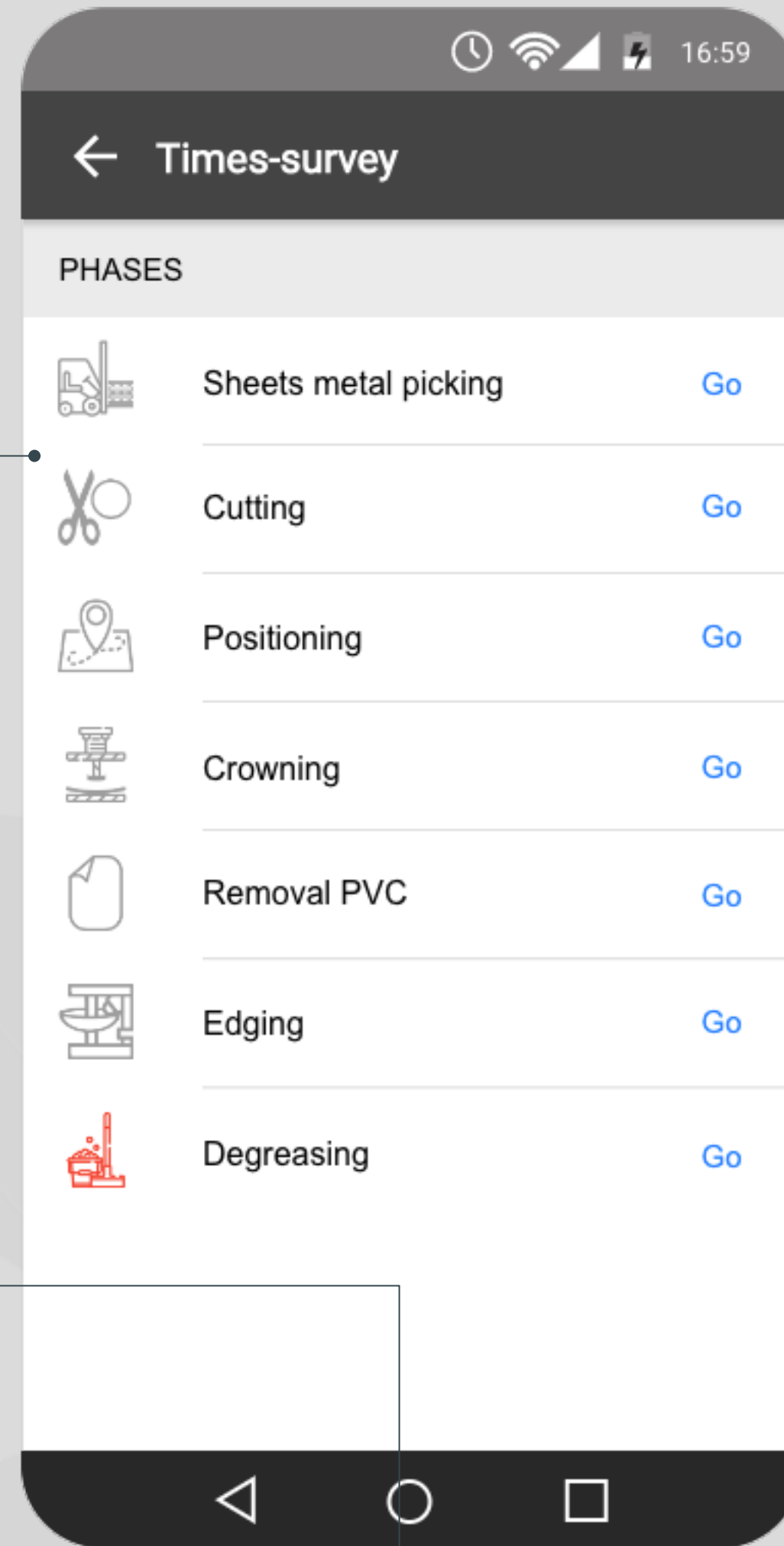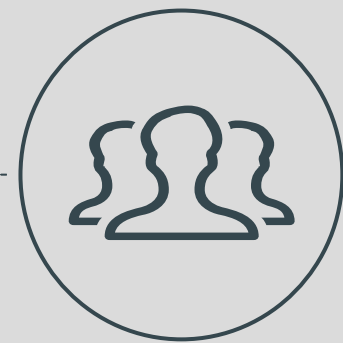
production order/ batch choice

ability to take charge of several
production orders, at the same
time, if the action to be
performed is the same for all

16:59

Manufacture order code list

Cookies
Client: Rossi Srl
Order n.196765

Bread
Client: Bianchi Srl
Order n.196765

mySUITE
production payout
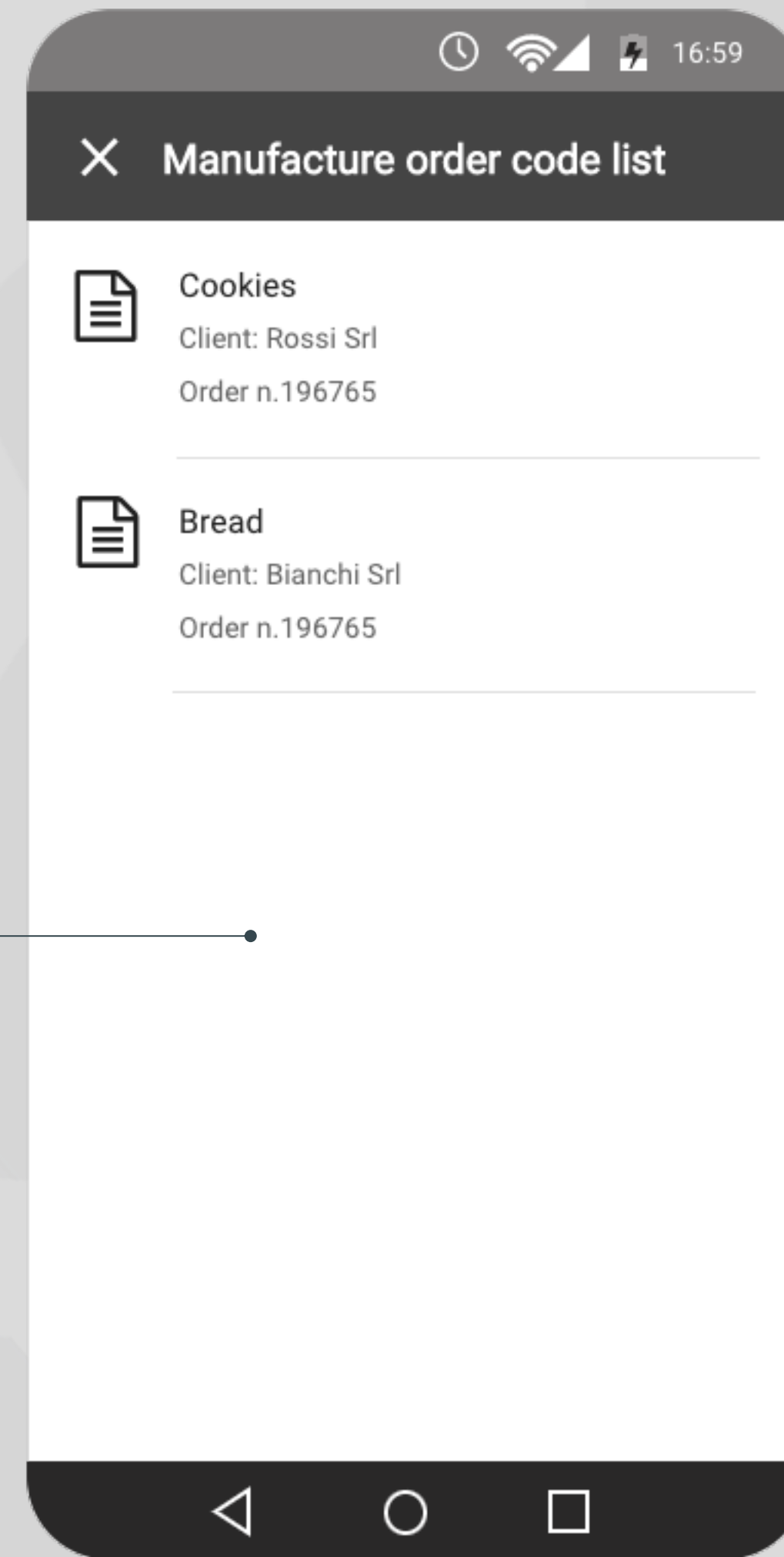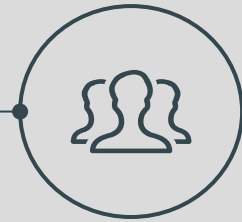
production payout

operator-declared number
of items produced

Times-survey

PHASES

Active ingredients   Go

Set manufacture order quantity

Quantity

−   3   +

CANCEL   SAVE

Closure   Go
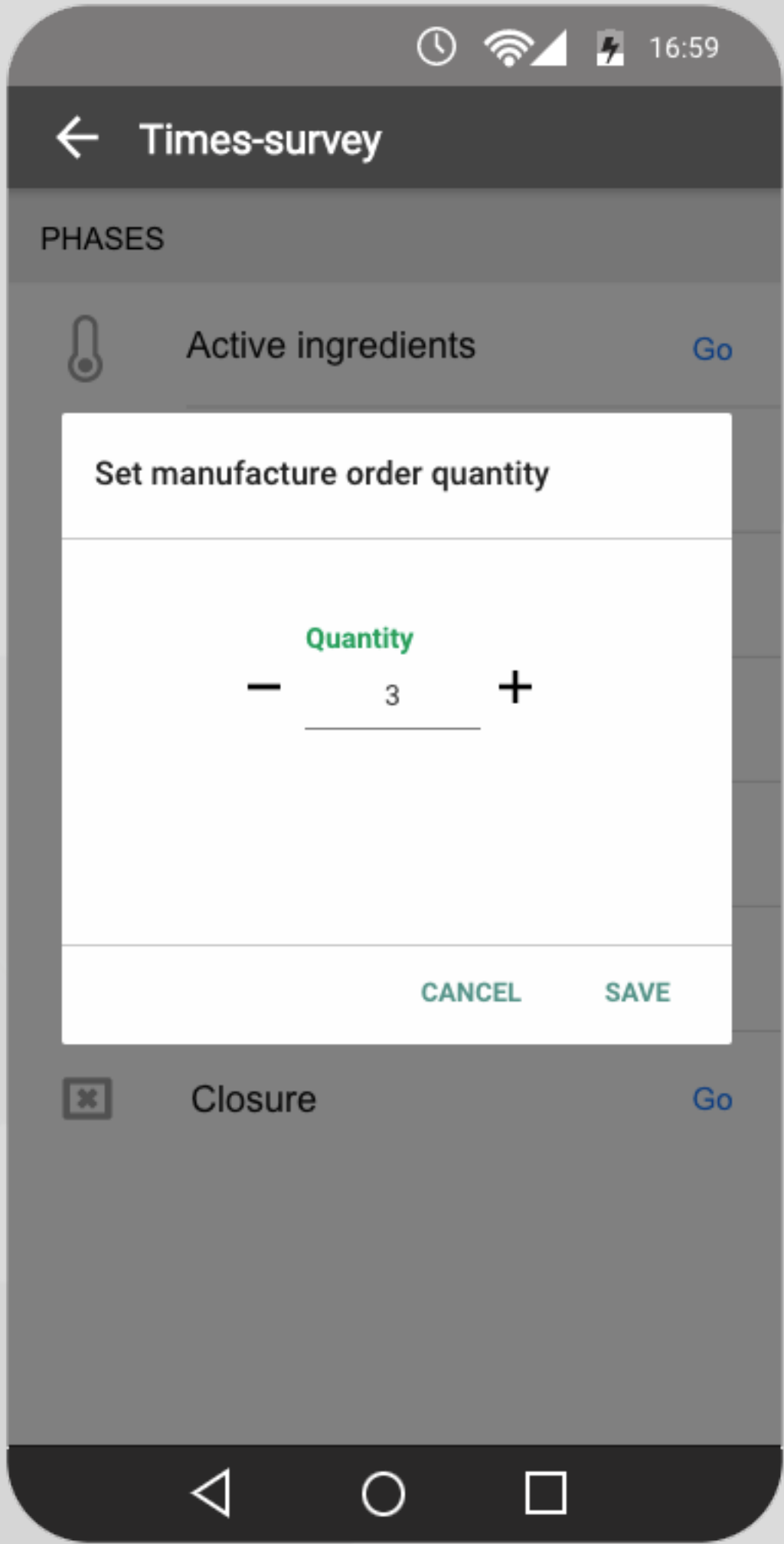
WMS
warehouse management: intelligent storage and picking precision

supplies
detection table of codes given late throughout the supply chain

picking accuracy
table of reference codes with correct picking percentages

stock
for every negative reference evaluation, the difference between registered stock and actual stock is shown

orders
pie chart of picking order status

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materialSUITE™

DASHBOARD

Supply of goods

Show 10

Name	Code	Provider	Required delivery date	Actual delivery date	Delay	
Bobina	BOB0101	Saldus Srl	25/11/2020	24/11/2020		0%
Boccola 45mm	BOC0045	Metalfer Spa	24/11/2020	24/11/2020		0%
Cavo nero	CAV0030	Elettrical Srl	22/11/2020	24/11/2020		40%
Filo di rame	FIL0070	Elettrical Srl	22/11/2020			50%
Polvere	POL0010	Saldus Srl	20/11/2020	19/11/2020		0%
Ventola 10cm	VEN0010	Elettrical Srl	15/11/2020			100%

Picking

Show 10

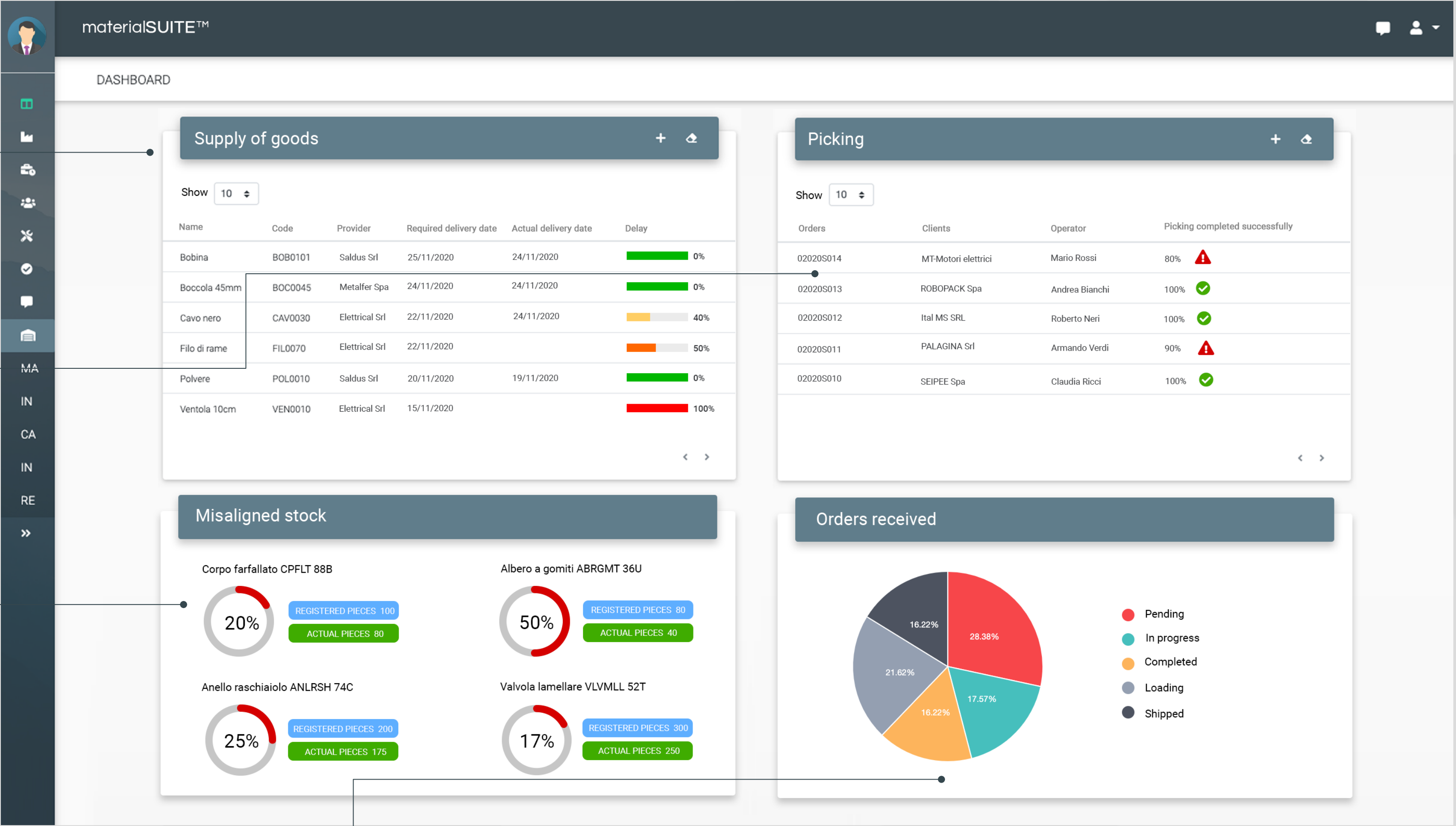| Orders	Clients	Operator	Picking completed successfully	
02020S014	MT-Motori elettrici	Mario Rossi	80%	⚠
02020S013	ROBOPACK Spa	Andrea Bianchi	100%	✓
02020S012	Ital MS SRL	Roberto Neri	100%	✓
02020S011	PALAGINA Srl	Armando Verdi	90%	⚠
02020S010	SEIPEE Spa	Claudia Ricci	100%	✓

Misaligned stock

Corpo farfallato CPFLT 88B
20%
REGISTERED PIECES 100
ACTUAL PIECES 80

Albero a gomiti ABRGMT 36U
50%
REGISTERED PIECES 80
ACTUAL PIECES 40

Anello raschiaiolo ANLRSH 74C
25%
REGISTERED PIECES 200
ACTUAL PIECES 175

Valvola lamellare VLVMLL 52T
17%
REGISTERED PIECES 300
ACTUAL PIECES 250

Orders received

- 28.38% Pending
- 17.57% In progress
- 16.22% Completed
- 21.62% Loading
- 16.22% Shipped

● Pending
● In progress
● Completed
● Loading
● Shipped

WMS
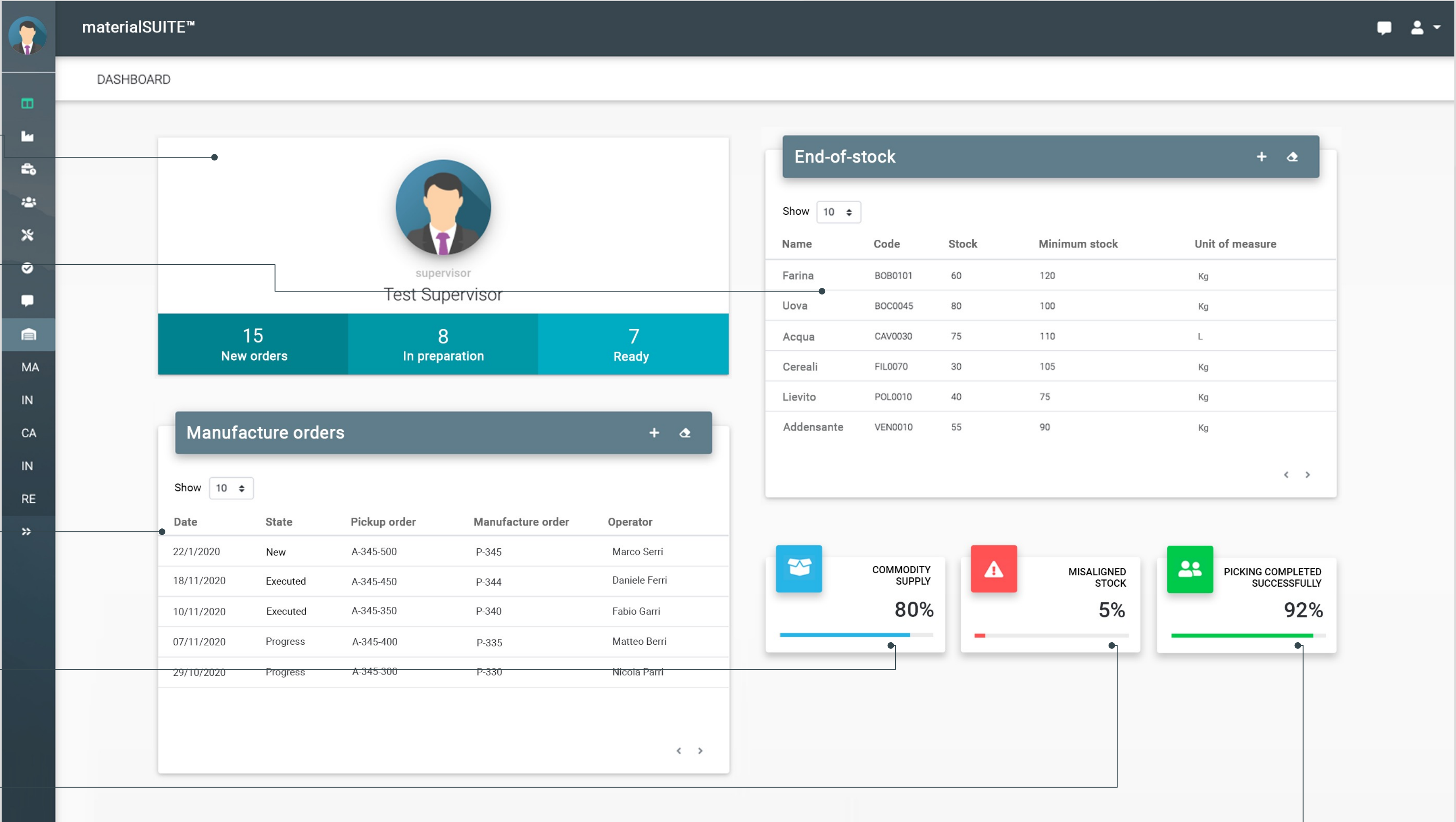intralogistics at the service of production

order status summary
number of picking orders based on their status, e.g. new, in preparation and ready

under stocked
warning table for understocked materials

picking order details
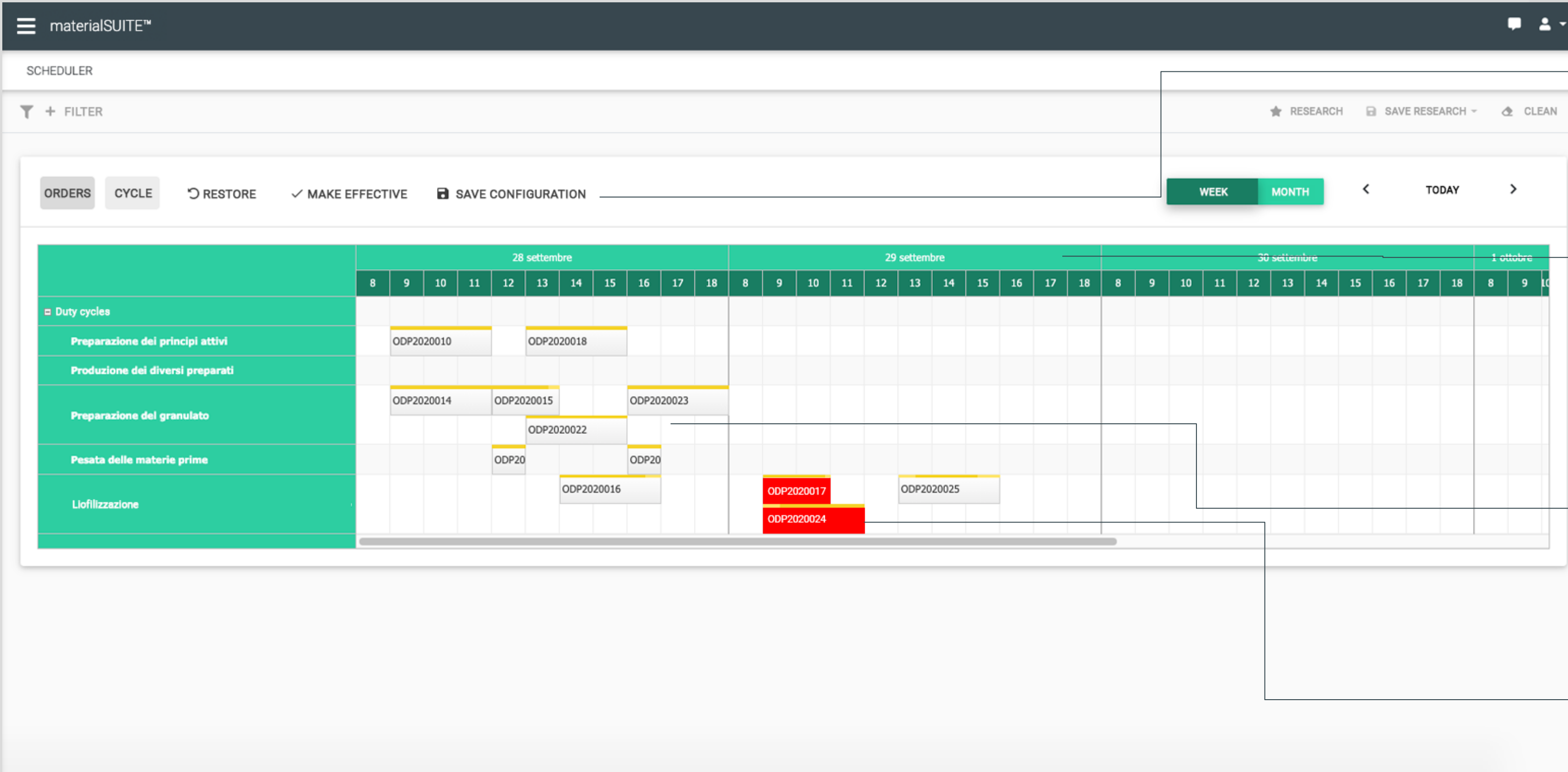table of picking order linked to each production order

stock KPI from left to right
percentage of suppliers shipment punctuality

percentage of general stock difference, if there are no inventory inconsistencies

percentage of picking accuracy without errors and within the required time frame

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materialSUITE™

DASHBOARD

supervisor
Test Supervisor

15	8	7
New orders	In preparation	Ready

Manufacture orders

Show 10

Date	State	Pickup order	Manufacture order	Operator
22/1/2020	New	A-345-500	P-345	Marco Serri
18/11/2020	Executed	A-345-450	P-344	Daniele Ferri
10/11/2020	Executed	A-345-350	P-340	Fabio Garri
07/11/2020	Progress	A-345-400	P-335	Matteo Berri
29/10/2020	Progress	A-345-300	P-330	Nicola Parri

End-of-stock

Show 10

Name	Code	Stock	Minimum stock	Unit of measure
Farina	BOB0101	60	120	Kg
Uova	BOC0045	80	100	Kg
Acqua	CAV0030	75	110	L
Cereali	FIL0070	30	105	Kg
Lievito	POL0010	40	75	Kg
Addensante	VEN0010	55	90	Kg

COMMODITY SUPPLY	MISALIGNED STOCK	PICKING COMPLETED SUCCESSFULLY
80%	5%	92%

MA
IN
CA
IN
RE

scheduler
plan and schedule work plans

optimise production thanks to the scheduler

personal data configurations with detailed of assignments of cycles and centres

drag and drop sequence

personal data with detailed of assignments of cycles and centres

calendar view

of personal data with detailed assignments if cycles and centres

personal data overlap management

with detailed assignments of cycles and centres

machine link 4.0
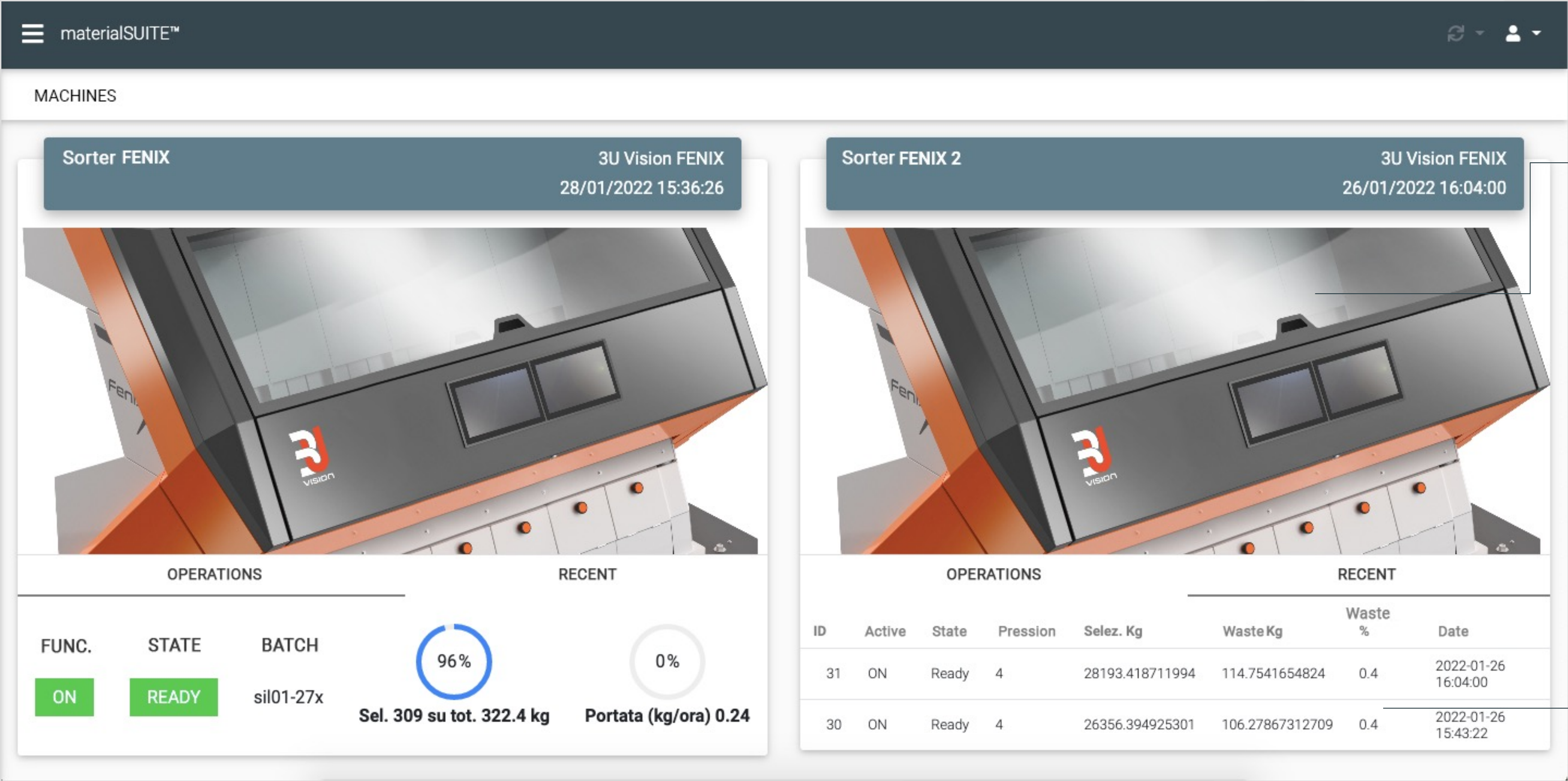bidirectionality and software

production orders

view of the production orders in
execution or to be executed

remote control

order start and stop command

the machine parameters are
entered when the production order
is created

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materialSUITE™

MANUFACTURING ORDERS

10 selected columns ▼

+ ADD   DELETE   COPY   PRINT

	ID ⇕	Batch ⇕	Date ⇕	Client ⇕	Product ⇕	State ⇕	Selected ⇕	Discarded ⇕	Controls ⇕	Actions ⇕
☐	12	123	08/06/2022 08:42:05	Logikamente SRLs	456	Ready				⋮
☐	10	U8457	21/02/2022 10:31:17	ASS. DF srl	Ceci	Ready				⋮
☐	9	ORZO-d27	20/01/2022 11:51:30	Logikamente SRLs	Orzo	Ready				⋮
☐	8	CECI-d26	20/01/2022 10:57:44	ASS. DF srl	Ceci	Ready				⋮
☐	6	sil01-27x	27/01/2022 08:41:22	Logikamente SRLs	Ceci	In progress	309 Kg 95.8 %	13.4 Kg 4.2 %	✓ ON ☒ OFF	⋮
☐	4	ORZO-d27	20/01/2022 11:51:30	ANCICOM SRL	Orzo	In progress	28193.4 Kg 99.6 %	114.8 Kg 0.4 %	✓ ON ☒ OFF	⋮
☐	3	23158	20/01/2022 10:57:44	Logikamente SRLs	Ceci	Finished	32937.4 Kg 99.6 %	138.4 Kg 0.4 %		⋮

machine connection
3U vision configuration: the interfaces

machine interface
simple and intuitive machine dashboard with real-time indications of status, batch in progress, flow rate etc

processing history
view recent jobs performed with KPI production

CUSTOMERS.

custom

formulate the best quotation based on delivery times and costs

user experience is main focus
quotation configurator

custom
formulate the best quotation based on delivery times and costs

work bill data sheet

custom
documents management

certification documentation management

the uploaded documents are evaluated and approved by the administrator

---

A

Amministratore
admin@admin

- ▢ Management ▾
- ● Companies
- ▤ Orders
- ☰ List archive
- ▦ Models archive
- ☰ Models categories
- ☰✓ List documents archive

1.3.0

Safe Nest

Orders

Order 20-001

	LIST 1		ADVISE THE SUPPLIER 🗑

LIST 1 1/1

LIST 2 1/1

LIST 3 1/1

LIST 4 0/1

LIST 5 0/1

+

Name	Fireproof plaster	
Type of company	**Name**	**Detail**
	Building company	
Type of work	**Name**	**Detail**
	Other	Testing
List status	Ready	
Supplier	Supplier 1	
Date added	01/10/2020	
Attachments	⬇ Lista documenti da allegare.pdf	Caricato da Amministratore il 01/10/2020
	⬇ Guida alla compilazione.pdf	Caricato da Amministratore il 01/10/2020

DOCUMENTS

PIN_2_2_2018CERT_REI   AL COLLAUDO 10/11/2020   ○ ● ○

Note :

THANK YOU!

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