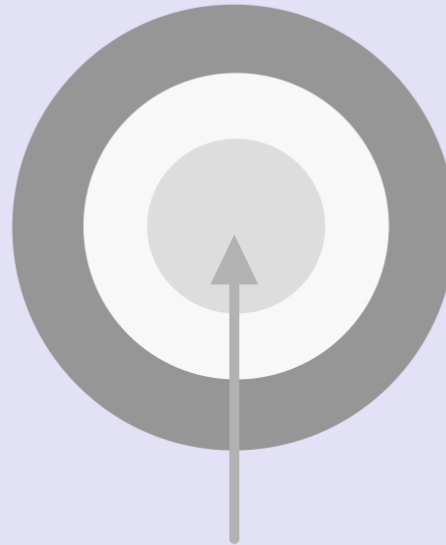# Outsourcing production process

Gaining flexibility in outsourcing production in a digital way

Alex Miccoli, David Räz, Cedric Roggwiller, Marco Zoccoletti, Kim Locher
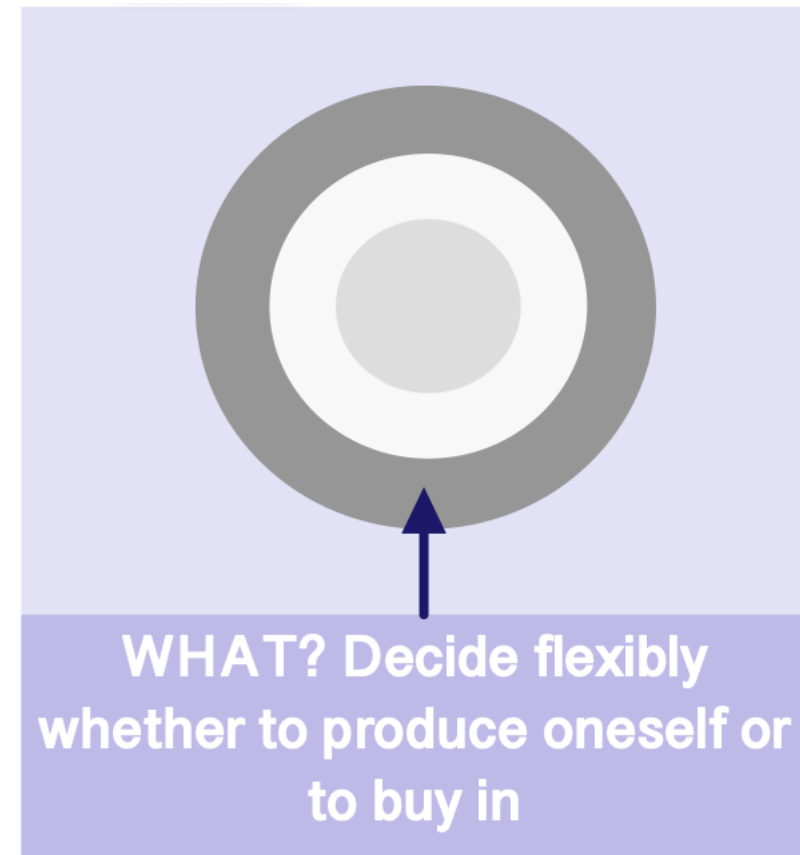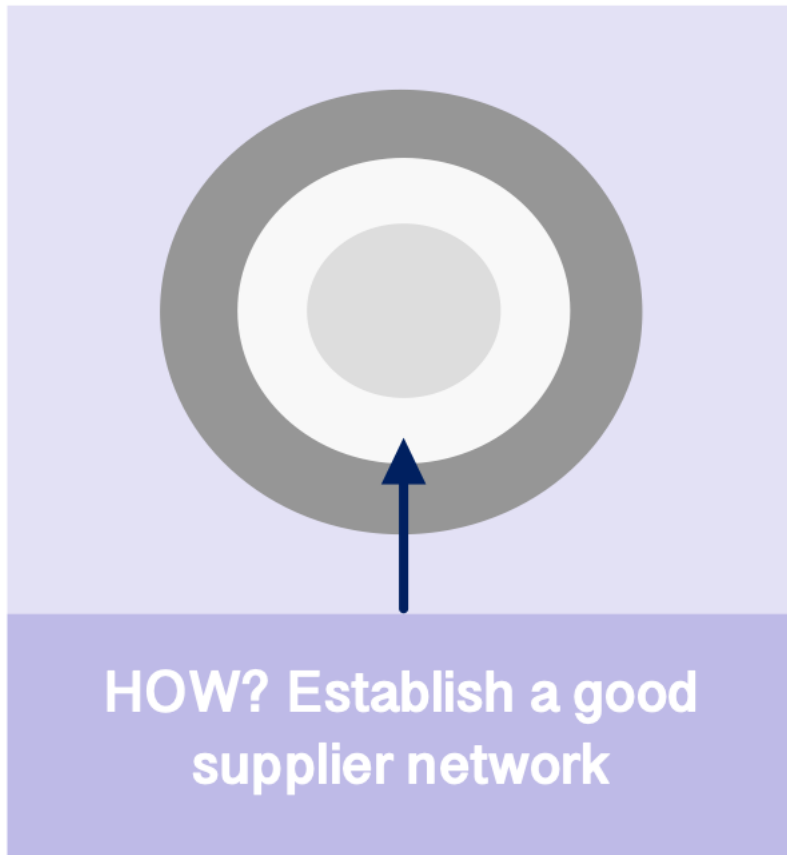
Dealing with changing environments

observe the environment

WHY? Have flexible production in a changing environment

Flexibility in outsourcing the production

HOW? Establish a good supplier network

WHAT? Decide flexibly whether to produce oneself or to buy in

..meanwhile in camunda

Start "Request For Quotation" [RFQ]

Production Planning

1. Send request for quotation to purchasing department

Purchasing department

1. Check request and send it to supplier

Supplier

1. Insert price and capability

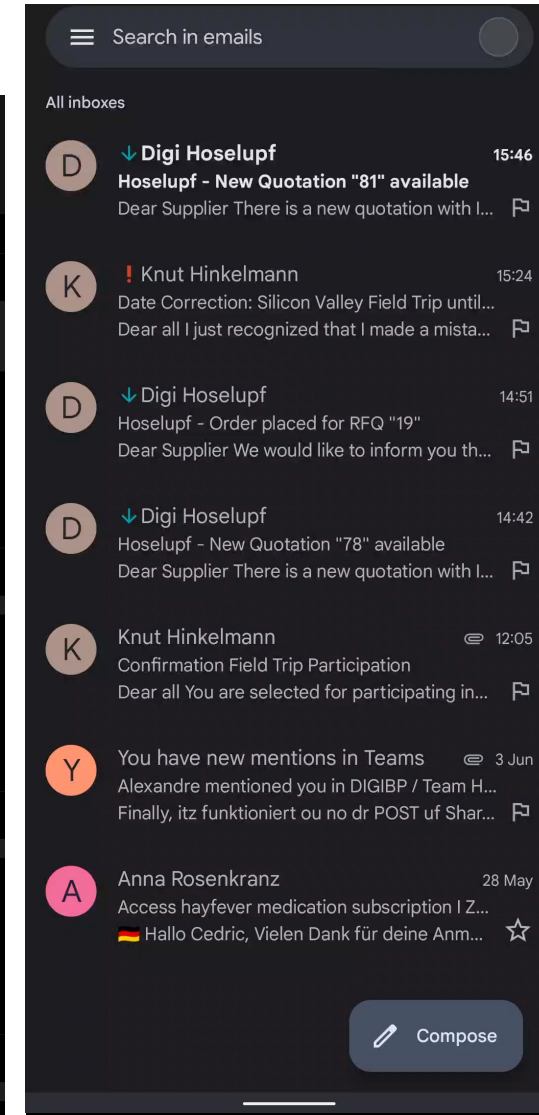**Benefits to previous process**

✓ Automated MES call & initial outsourcing decision

✓ Less email deluge

✓ Less repetitive and manual work for rephrasing and writing offer requests

✓ Automated supplier quotation requests and responses
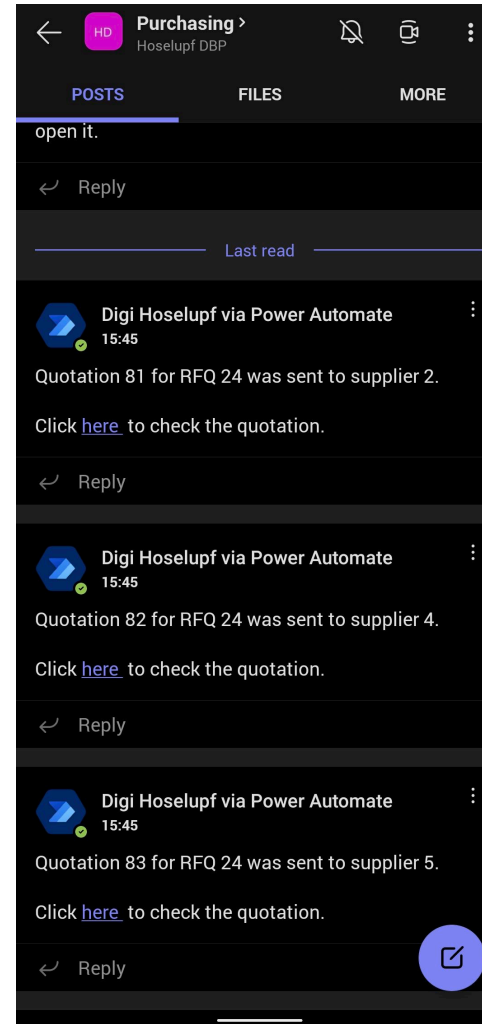
Process quotation

Production Planning
1. Preselection of quotations

Purchasing department
1. Negotiate price

Production Planning
1. Final decision

Benefits to previous process
- ✓ No interdepartmental email deluge
- ✓ Full progress traceability at all times
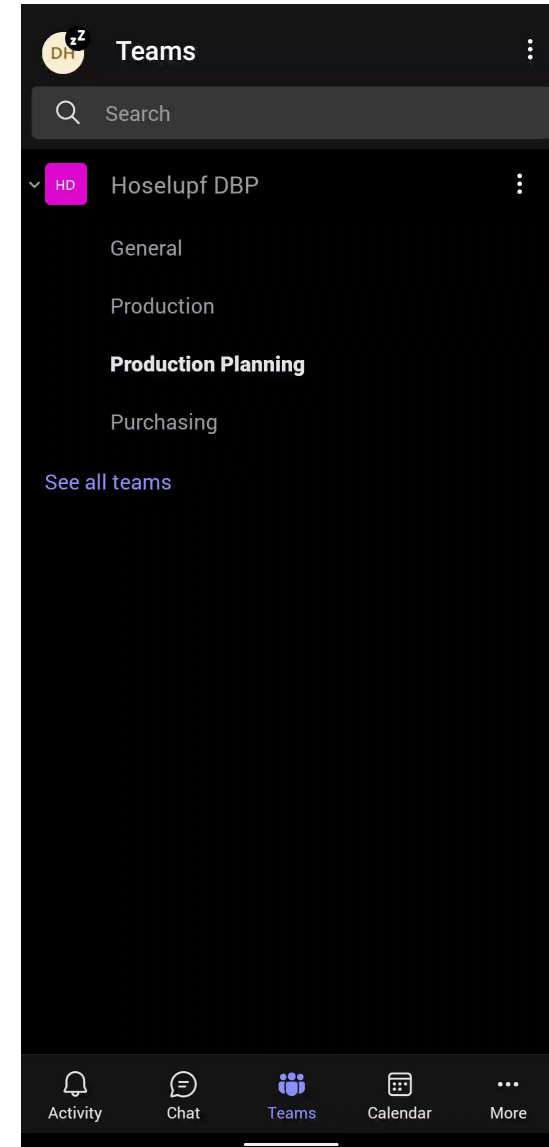
Place Order

System

1. Send rejection to not chosen suppliers
2. Send pick-up request to production

Production

1. Provide pick-up date for materials

Purchasing Department

1. Verify data and place order

Benefits to previous process
✓ Automated supplier responses
✓ Automated order placement to supplier

Fulfilled process in Camunda

Audit Log   Variables

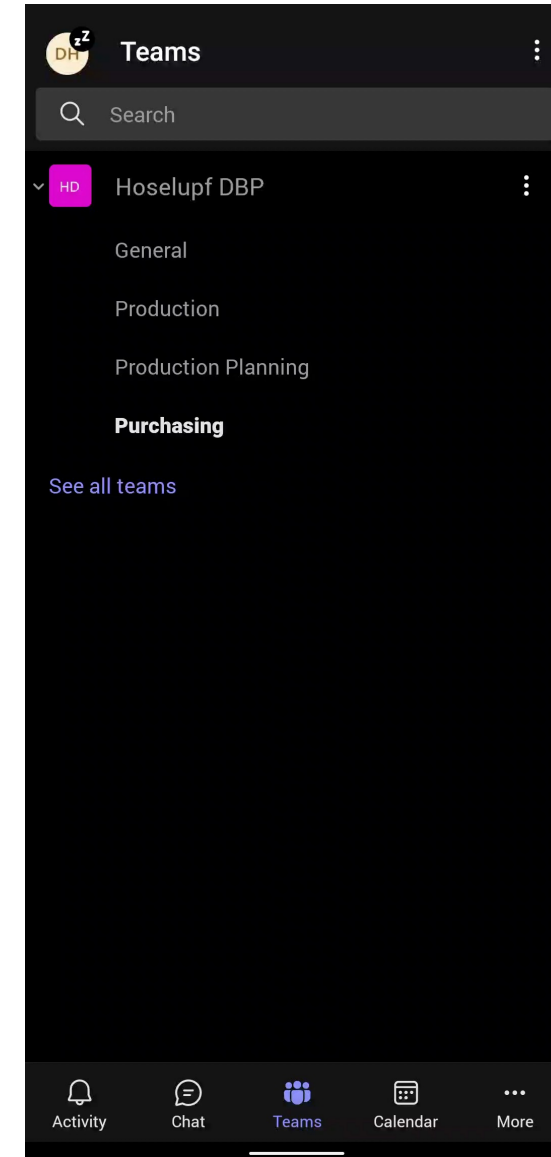| Activity Name —	Start Time —	End Time —	Duration —	Type —	User —Canceled —
production made externally	2022-06-04T16:03:05	2022-06-04T16:03:05	00:00:00.0	noneEndEvent	false
verify data and place order	2022-06-04T16:02:10	2022-06-04T16:03:05	00:00:54.3	serviceTask	false
provide pick up date for materials	2022-06-04T15:58:45	2022-06-04T16:02:10	00:03:25.0	serviceTask	false
	2022-06-04T15:58:45	2022-06-04T15:58:45	00:00:00.0	exclusiveGateway	false
decide if internal production or outsource	2022-06-04T15:57:21	2022-06-04T15:58:45	00:01:24.1	serviceTask	false
negotiate price and insert result of negotiation	2022-06-04T15:55:58	2022-06-04T15:57:21	00:01:23.6	serviceTask	false
preselect supplier	2022-06-04T15:53:57	2022-06-04T15:55:58	00:02:00.8	serviceTask	false
offer received	2022-06-04T15:45:52	2022-06-04T15:53:57	00:08:05.0	intermediateMessageCatch	false
check and complete requirements	2022-06-04T15:25:31	2022-06-04T15:45:52	00:20:20.9	serviceTask	false
send requirements profile and manufacturing description	2022-06-04T15:05:07	2022-06-04T15:25:31	00:20:23.9	serviceTask	false
send data to Sharepoint	2022-06-04T15:04:37	2022-06-04T15:05:07	00:00:29.7	serviceTask	false
Desired production place	2022-06-04T15:04:37	2022-06-04T15:04:37	00:00:00.0	exclusiveGateway	false
decide on outsourcing	2022-06-04T15:04:37	2022-06-04T15:04:37	00:00:00.0	businessRuleTask	false
request tooling data	2022-06-04T15:04:36	2022-06-04T15:04:37	00:00:00.5	serviceTask	false
minimum inventory has been undercut	2022-06-04T15:04:36	2022-06-04T15:04:36	00:00:00.0	messageStartEvent	false

We are ready to Hoselupf and you?

- Ready to monitor the process duration?
- Ready to have an overview of the outstanding offers and price negotiations?
- Ready to automate the communication and reduce the e-mail deluge?
- Ready to go Mobile first?
- Ready to fully integrate the solution in the already used Microsoft stack?

Just contact your BPM Consultants at Hoselupf.
We are always at your disposal!