

WE CAN  
DO SO  
MUCH  
TOGETHER

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# M4,0 Metal domain DATA SPACE based on IDS RA

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## M4,0 metal domain IDS Data Space

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-Name:

MARKET4.0 Metal Domain Data Space

-Short claim which characterizes the data space in a catchy way:

“Optimized Selection of suitable equipment”

-Logos of the participating partners

(see slide)

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## MARKET4.0 metal domain IDS Data Space

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-“Challenge”: Description on the initial situation and on the problem which had to be solved

Today, the selection of a new manufacturing equipment requires a big technical effort on the customer side, determining the most suitable equipment for his requirements. The customer must browse on the internet, assist to trade shows and talk with commercial and technical experts.

-“Success”: Description on the solution we have created for the problem described before

The MARKET4.0 metal domain data space describes a robust and efficient solution for the connection, based on the IDS RA (Reference Architecture) of the equipment manufacturers’ distributed repositories, with a MARKET4.0 service that analyses the customer requirements and identifies and presents the most suitable equipment for a certain metal domain manufacturing process. The connection is made through IDS connectors and the repositories and service are connected with the central IDS modules (Clearing House, Broker) in order to guarantee a trusted data transaction.

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## M4,0 metal domain IDS Data Space

-“Benefits”: List with 3 bullet points, all together up to 300 characters

“Simplified and Efficient Selection of Suitable Manufacturing Equipment”

For the equipment manufacturer, IDSRAM permits the trusted connection of the equipment repository with external apps (ESS), permitting (in a time-saving process) the best selection of a manufacturing equipment, thanks to accessible data that where not accessible before.

The MARKET4.0 Metal Domain Data Space propose two solutions:

The first one permits the connection of equipment manufacturer repositories with a single connector (LMS/TNO). The benefit of this solution is that equipment manufacturers do not require knowledge of IDS RA and it is the connector owner who has it.

The second one has the benefit to connect one service with several data providers through several IDS connectors. The benefit of this second solution is that the data provider controls the data flow and is independent of the connector provider.

-“Partners/Ecosystem”: List of the partners in your scenario, all together up to 200 characters

see slide

-“Main technology/IDS components”: List of technology and IDS components, all together up to 200 characters

IDS CONNECTORS for Data provider, data consumer. CLEARING HOUSE, BROKER.

METAL DOMAIN

SCENARIO #1:  
PURCHASE NEW EQUIPMENT



**SERV 1:  
EQUIPMENT  
SELECTION**  
TECNALIA

**SERV 5:  
NESTING SERVICE**  
(Laser cutting machines)  
SEGULA

**SERV 4:  
AM SCHEDULING**  
(AM machines)  
TECNALIA

**SERV 7:  
PRIMA BENDING  
SERVICE??**  
PRIMA?

**SERV 3:  
IPSS**  
TECNALIA

**SERV 6:  
P&P**  
SEGULA

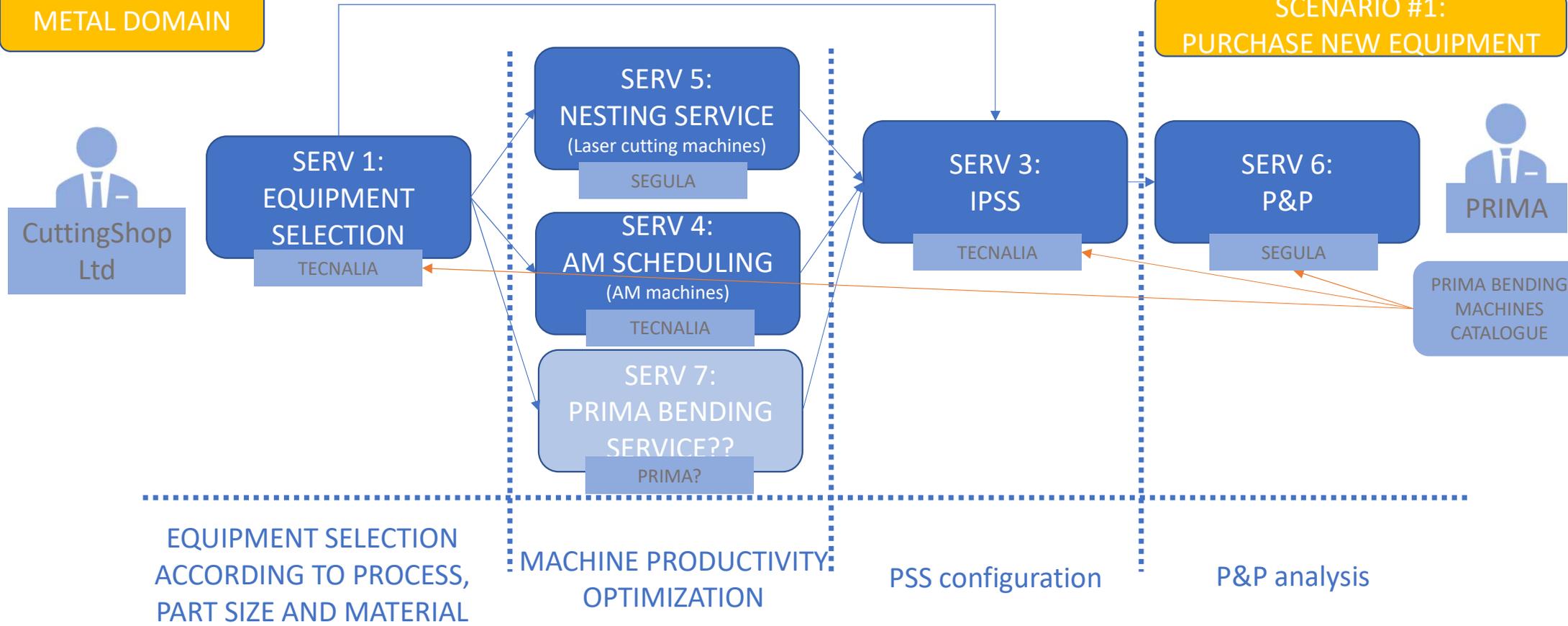
PRIMA BENDING  
MACHINES  
CATALOGUE

EQUIPMENT SELECTION  
ACCORDING TO PROCESS,  
PART SIZE AND MATERIAL

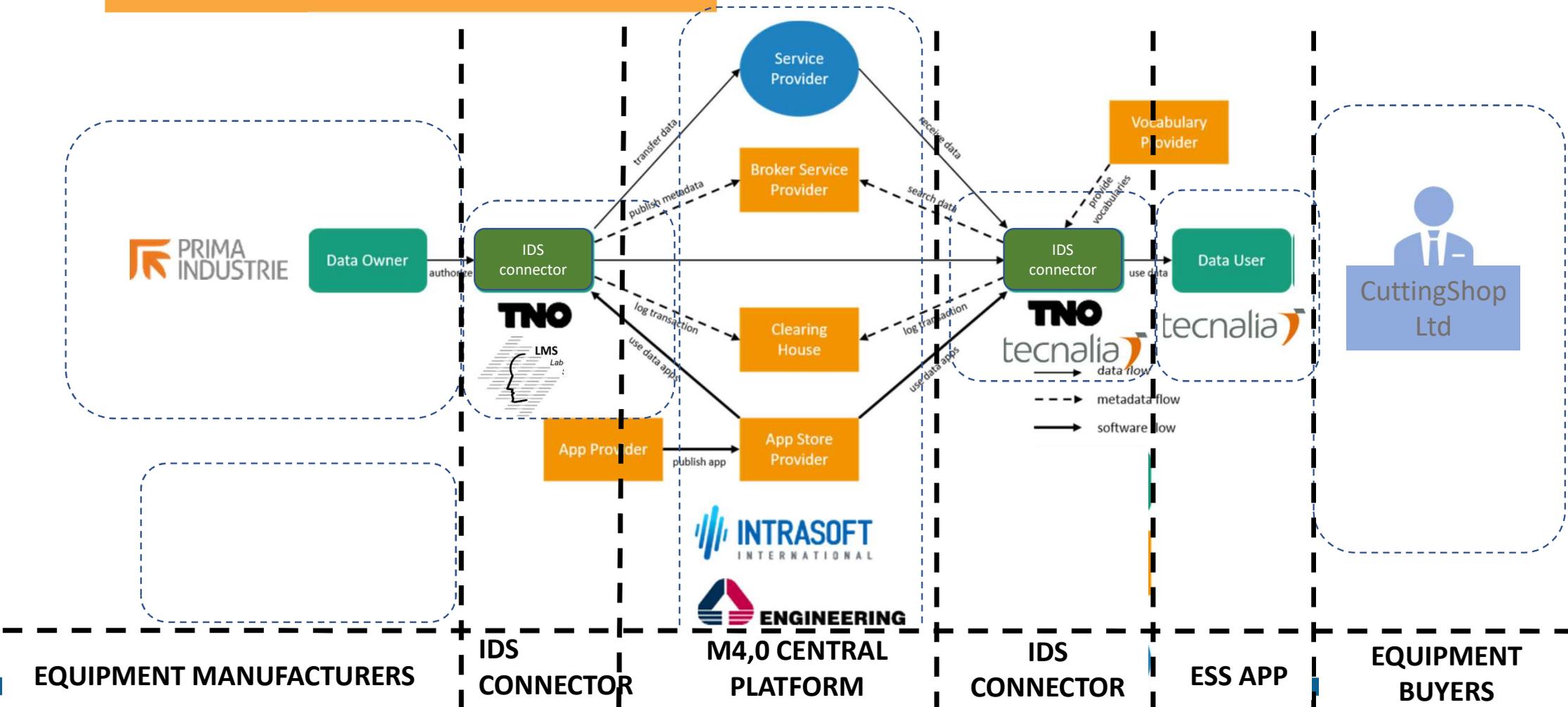
MACHINE PRODUCTIVITY  
OPTIMIZATION

PSS configuration

P&P analysis



# M4,0 metal domain IDS Data Space Initial Phase



# M4,0 metal domain IDS Data Space Open Call#1

