

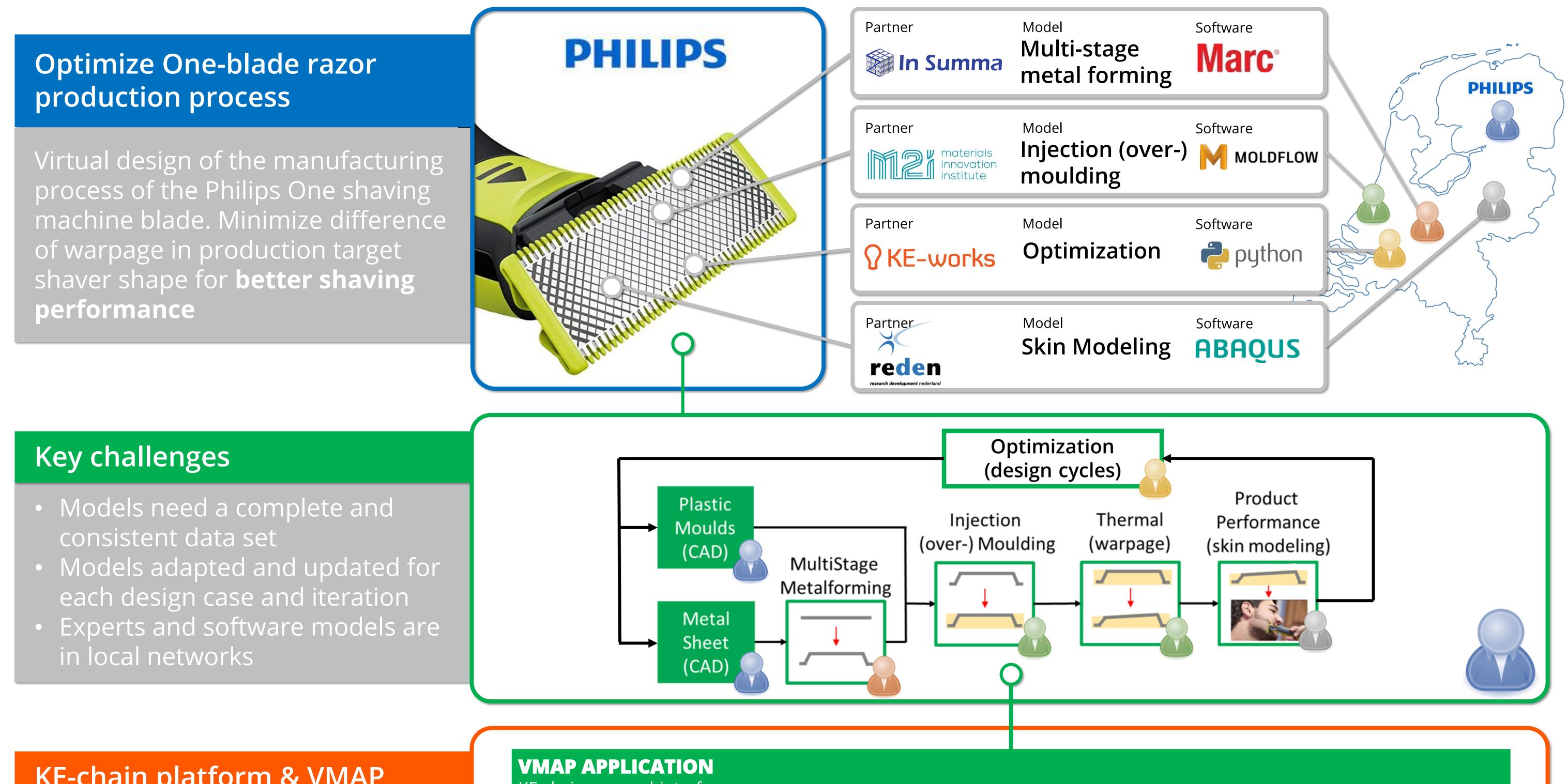
**project 16010** 

# **<b>RE-chain** platform **MULTI-\* COLLABORATIVE DESIGN**

by KE-works

S VINAP

## Model-based collaborative engineering application based on remote services and common data standards



## **KE-chain platform & VMAP**

Online design environment

<b>VMAP APPLICATION</b> KE-chain user webinterface		
<b>DESIGN STUDIES INTERFACE</b>		
Design studies	Execution	Optimization

Planic begin the second second

 a
 deg
 Input casting de angle for the first forming stage

 a
 deg
 The target angle of the metal object after spring back

A VMAP web-app is developed as shared environment between any site with dashboards for simulation steps and complete design studies

## Semi-automated workflow

The web-app coordinates execution of the simulation steps and is able to manage multiple simulations with varying settings concurrently

VMAP + common data models

Data exchange uses the latest VMAP files and is extended with design study settings (e.g. injection time, temperature, casting die angles)

INLEDISEL VERINILEEREN Nam 2 4 VAAP Gewyn, nam VEC3 Demonstratus (datet verson)	Anteve projecten Typ om te zoeken
D 4 10440 Dester and (122.5 Descent rate) (122.5 Descent rate)	Standarbam I Opleveringsdatum Voorgang Status
	2029-03-31 09:18 Active
CLONE - 4. VMAP. Design our - UC2.5 Demonstrator (latest version) - BACKUP	2020-43-31 09-18 Actuel
A VMAP: Design nur - Bertran Beijer - 2020-03-24-06-58-26	2020-03-12 10:51 Activef
4. VMAP. Design rus Bestien Beijer - 2020-00-12-10.51:31     4. VMAP. Sinn modeling tenting:     4. VMAP. Sinn modeling tenting:	2029-03-12 10:51 Active 2019-08:21:00:00 2019-08:21:00:00 Active
	TAAK WUZIGEN
x	<u> (Дитемы)</u>

<complex-block></complex-block>	<complex-block></complex-block>	<complex-block></complex-block>
<b>KE-CHAIN PLATFORM SERVER</b> Online server API (restfull)		
<b>REMOTE SERVICE</b> KE-chain client (KE-node)	<b>REMOTE SERVICE</b> KE-chain client (KE-node)	<b>ON PLATFORM SERVICE</b> On platform script (Docker)
VMAP + KE-CHAIN INTERFACE	VMAP + KE-CHAIN INTERFACE         Image: Construction of the system of	VMAP + KE-CHAIN INTERFACE

## Remote service integration

The KE-chain client, KE-node, is a local installed client that connects local software applications with the online KE-chain platform

