

Engineering &
Maintenance

Competitive
Engineering



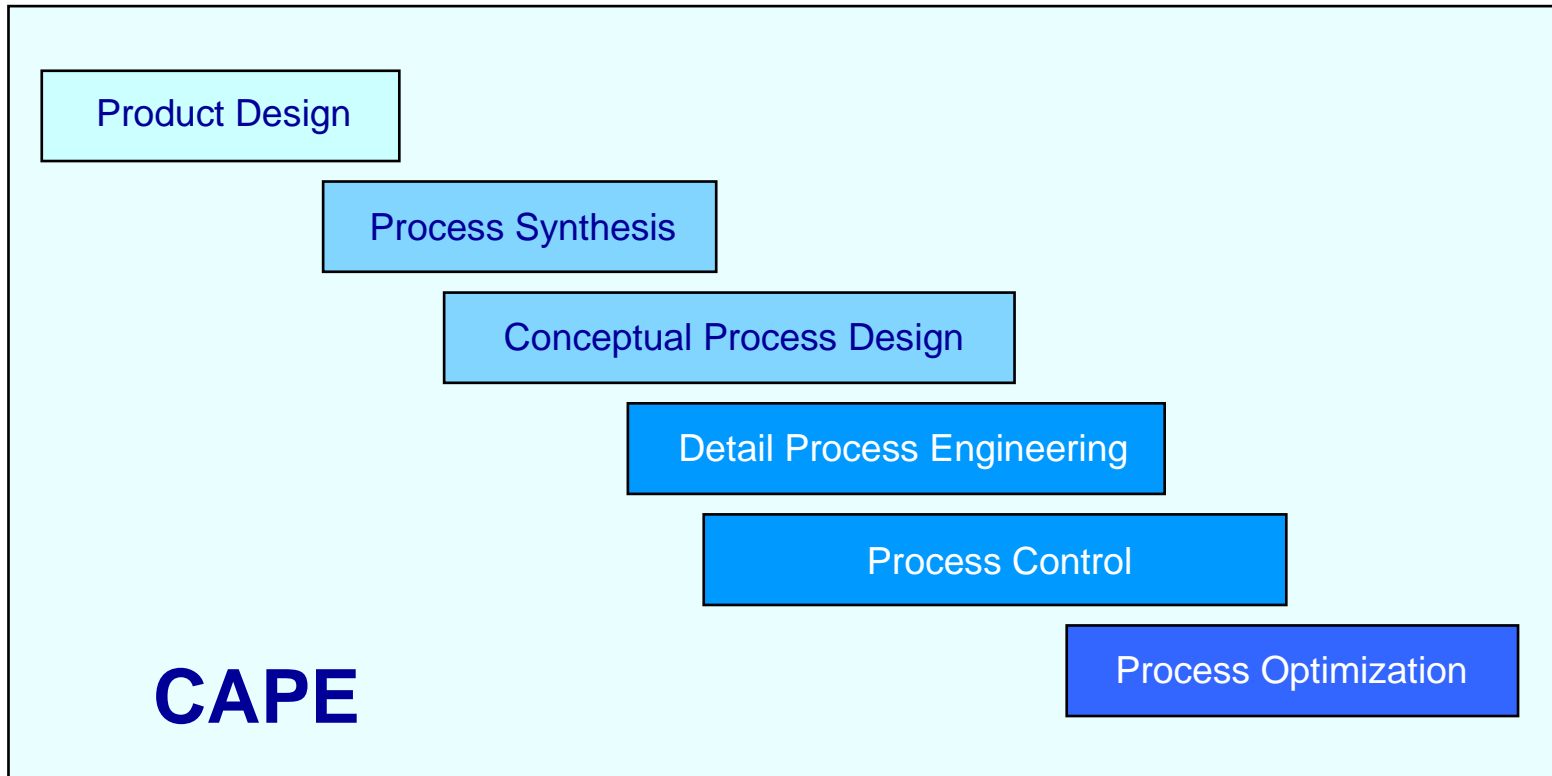
The Chemical Company

CAPE-OPEN at BASF

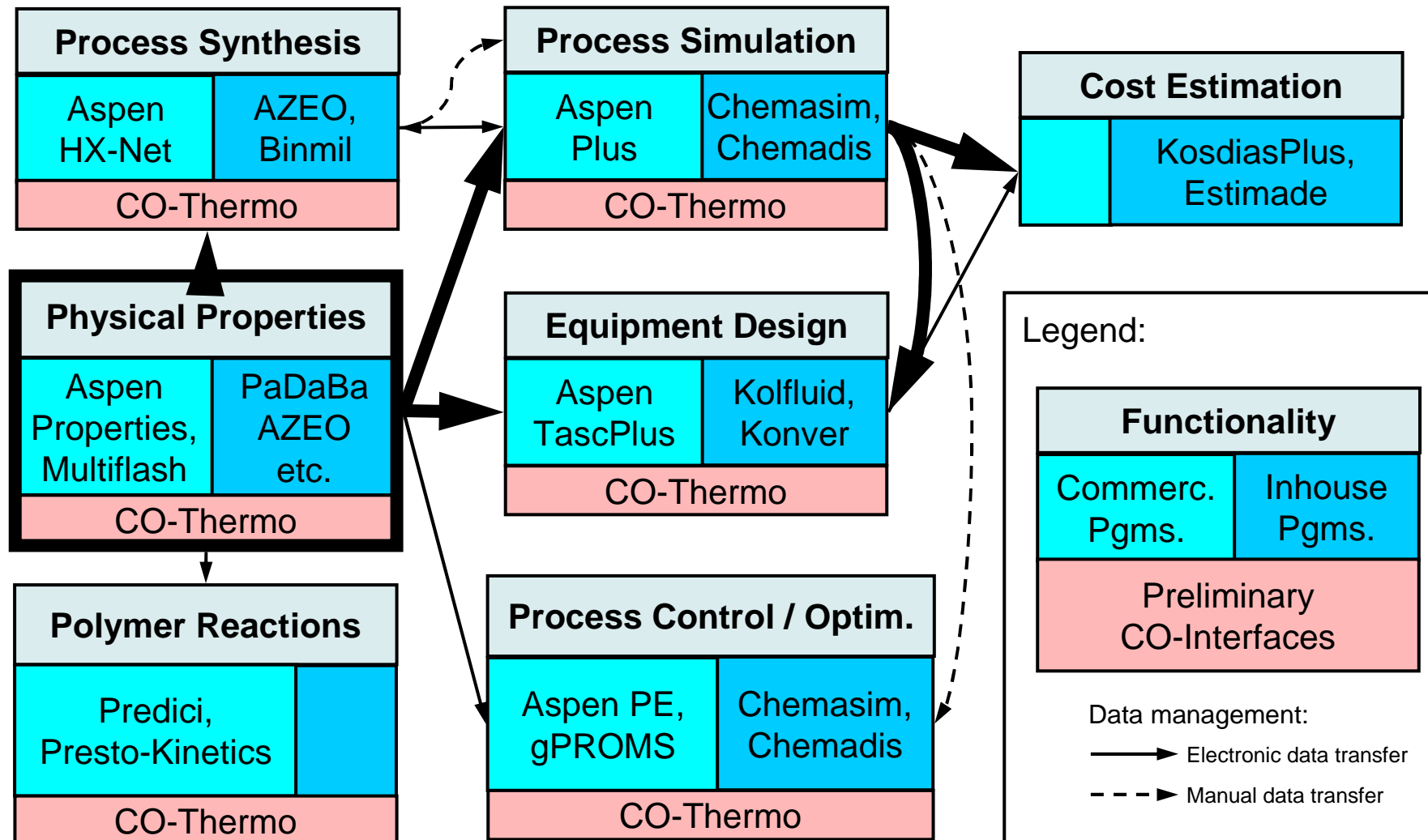
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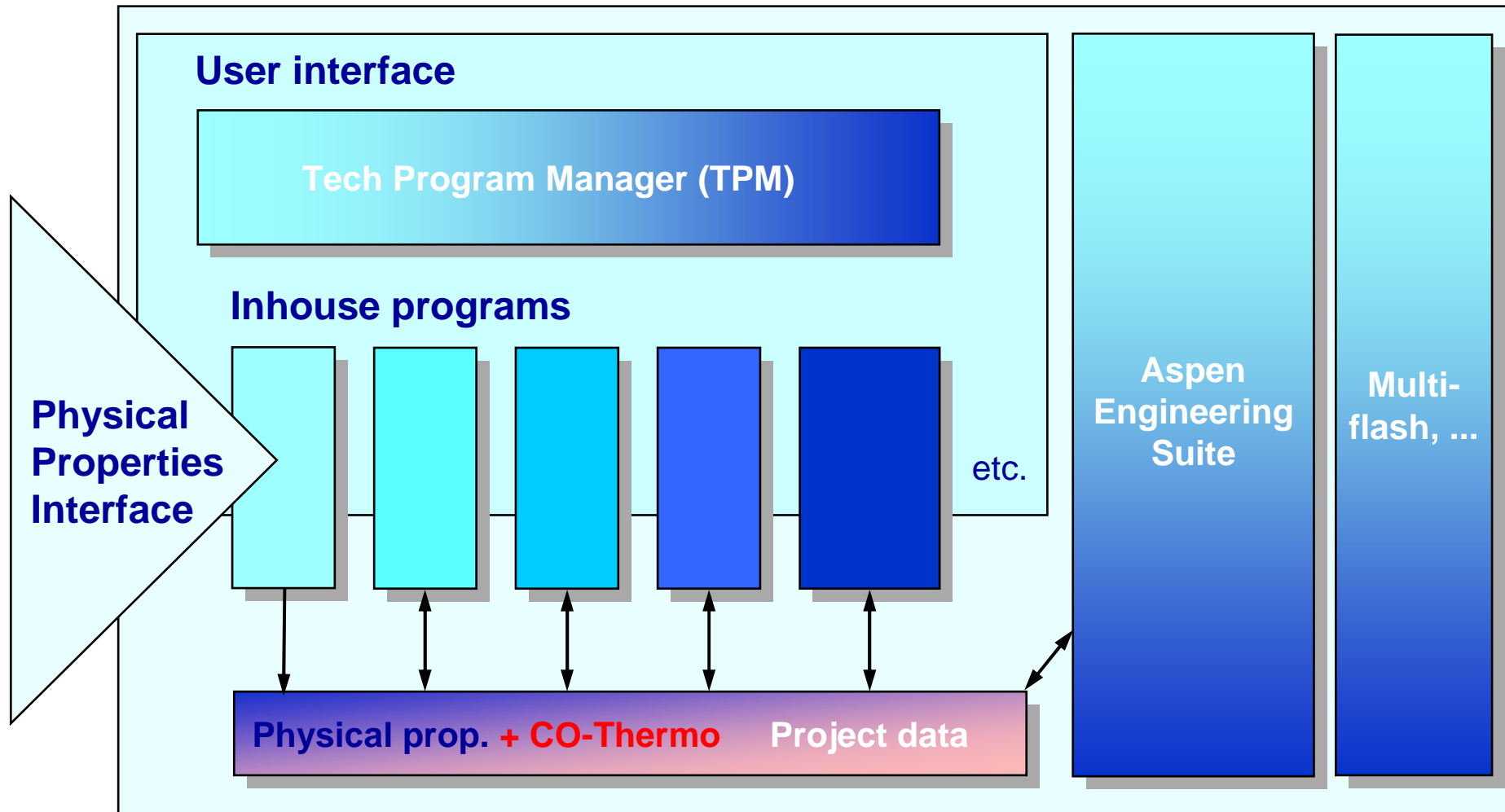
CAPE-vision: CAPE supports



ProcessNet: CAPE Applications at BASF



ProcessNet internal Architecture



Example for CO-Property Package in ProcessNet (1)

■ Physical Properties Data File:

COPP 1 MFCOPPack.MFCOPack 'M:\GROUPS\Zic_c\Pn\CapeOpen\test\c.mfl'

<

N2	N2,
CYCLOPENTEN	CYCLOPENTEN,
CYPENTANON	CYPENTANON ,
CPENTAN	CPENTAN

>

PHI.V 2 ZGLHUE

REIN 1 < P.VL 1, ENORM_DHF 1 >

REIN 3 < ZGL_P.VL , ZGL_ENTH , ZGL_RHO.L , ZGL_RHO.V >

REIN 7 < COPP 1 >

REAL 3 < PHI.V 2 >

REAL 1 < GAM 1 >

REAL 7 < COPP 1 >

Example for CO-Property Package in ProcessNet (2)

■ Application Input Data File:

EQUI_STAGE: APP3 < 58.257 GRAD, 50. BAR, REIN 7, REAL 7 >

INPUT: STREAM STR1

LIQUID: STREAM STR3

VAPOR: STREAM STR4

Q-INPUT: STREAM S2

SPEZI: P_APP2 < FREE HEAT STREAM S2 >

* SPEZI: M_SPE2 < 58.257 DEG_CELSIUS >

SPEZI: M_SPE2 < 0. KMOL/H STREAM STR4 >