

USING INVENTORY TWINS TO ENABLE VIRTUAL PLANNING OF DECOMMISSIONING

Katja Sipilä



Europe's leading architecture and engineering consultancy

#1 On the European market¹

¹ Based on reported Net sales 2020, annual reports.

17 500

Full-time employees, with as many different perspectives



SEK

20.9 bn

Net sales 2020

SEK
1.8 bn
EBITA 2020

14

Markets in Europe

70+

Projects in more than 70 markets worldwide

We combine our vast international experience with local know-how

Sweco has offices in 14 countries and we carry out projects in 70 countries annually throughout the world.



PLANT VISUALISED IN 3D HELPS YOU TO UNDERSTAND, COMMUNICATE, PLAN, AND MAKE DECISIONS

Visualize Earlier



Design Better



Execute Faster



Operate Smarter



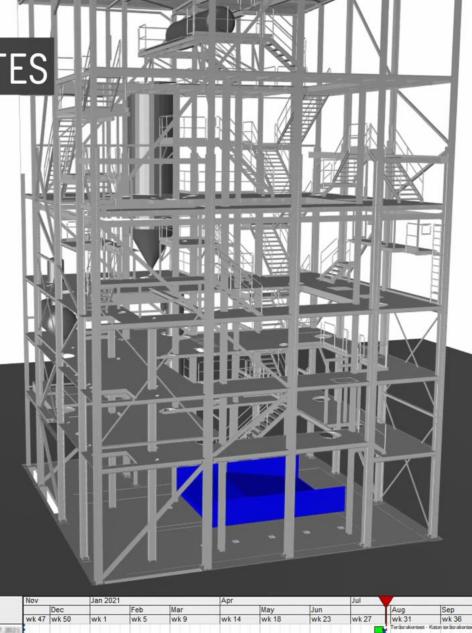
29.7.2021 Week: 30

VERIFY INSTALLATION ROUTES

PREVENT CLASHES

AVOID DELAYS

4D Video - Youtube

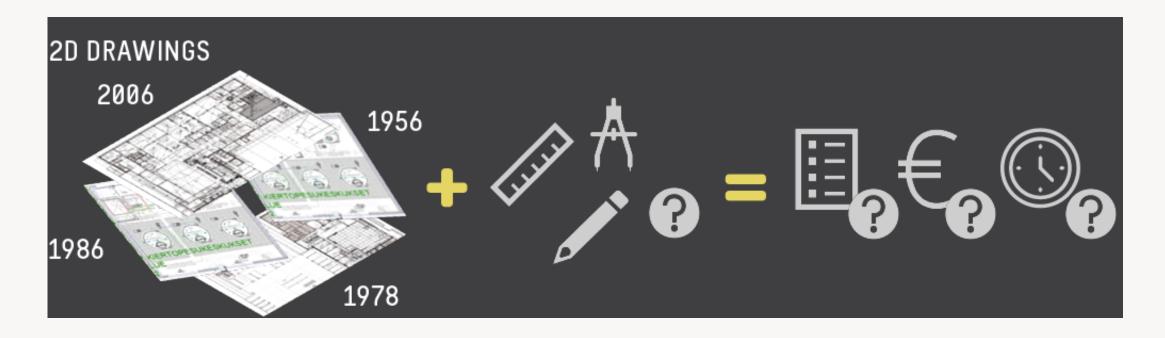


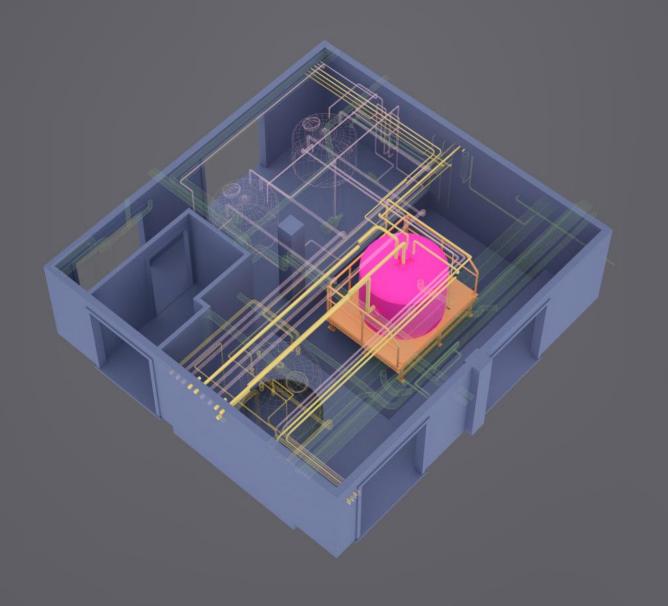
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SWECO VDCO SERVICES	36	28.7.2021	1	
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EXISTING NUCLEAR FACILITIES DO NOT HAVE RELIABLE INITIAL DATA OR 3D MODELS

MISSING AND UNRELIABLE 2D DRAWINGS — CAN YOU RELY ON THE INFORMATION YOUR DECOMMISSIONING IS BASED?





INVENTORY TWIN: A COLLABORATIVE VISUAL ENVIRONMENT

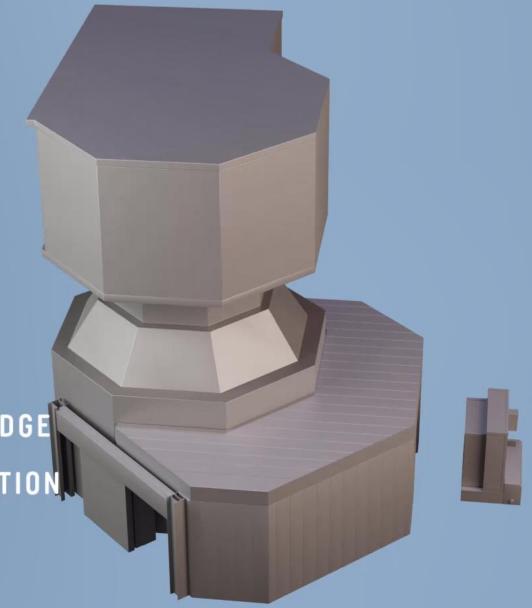
VERIFIED AND UP
TO DATE
INFORMATION THAT
IS EASY TO
UNDERSTAND,
COMMUNICATE AND
USE

ENABLES
COLLABORATIVE
TESTING OF MULTIPLE
OPTIONS COSTEFFECTIVELY &
SAFELY

RNOWLEDGE-BASED
PLANNING; NOT
GUESSWORK, EXECUTED
FASTER TO MINIMIZE
COST AND SCHEDULE
OVERRUNS

BIM MODEL

360 PICTURES
POINT CLOUD
ENGINEERED DRAWINGS
MATERIAL SPECIFICATION
SITE PERSONNEL KNOWLEDGE
INITIAL DATA DOCUMENTATION





VIRTUAL DECOMMISSIONING & WASTE MANAGEMENT









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