

I JORNADA #CivilBIM

ESTRATEGIA Y PRIMEROS PASOS

Fernando Blanco Aparicio – ACCIONA Construcción

Integración de Personas y Fuentes de Datos

CAMINOS
UPV

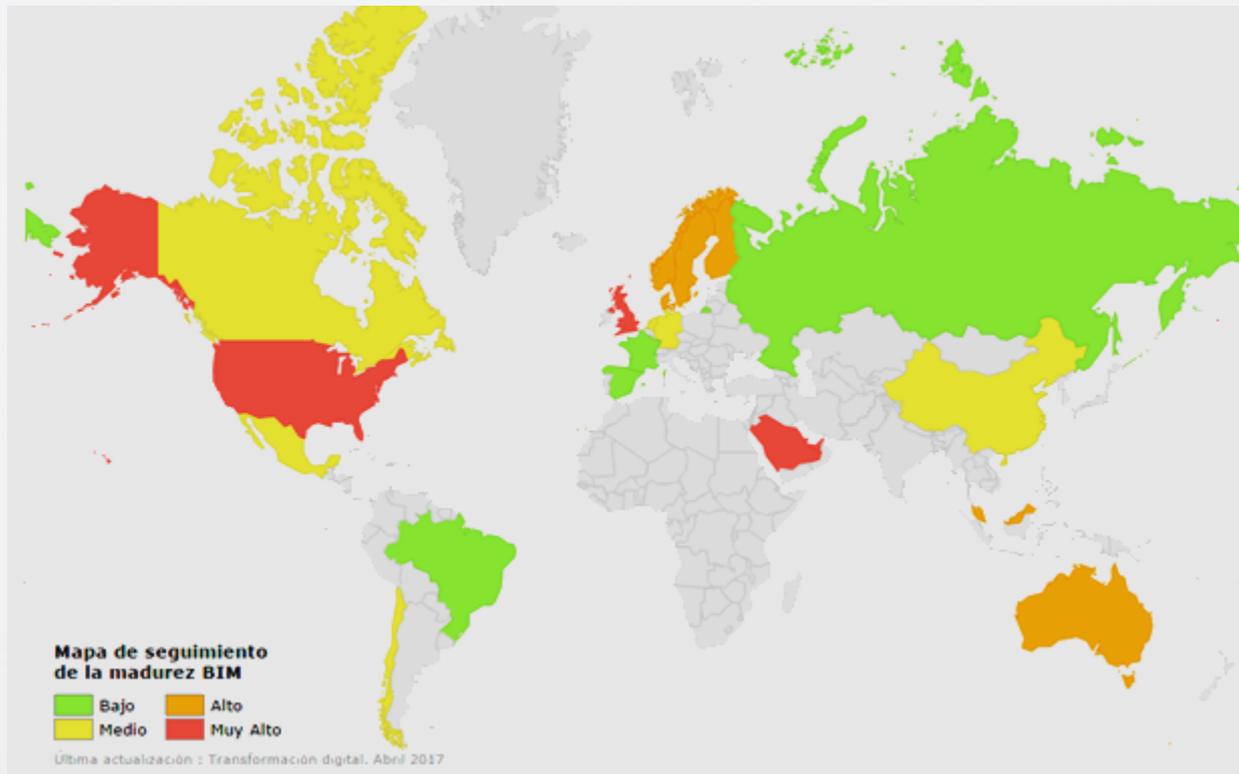


 **buildingSMART**
Spain

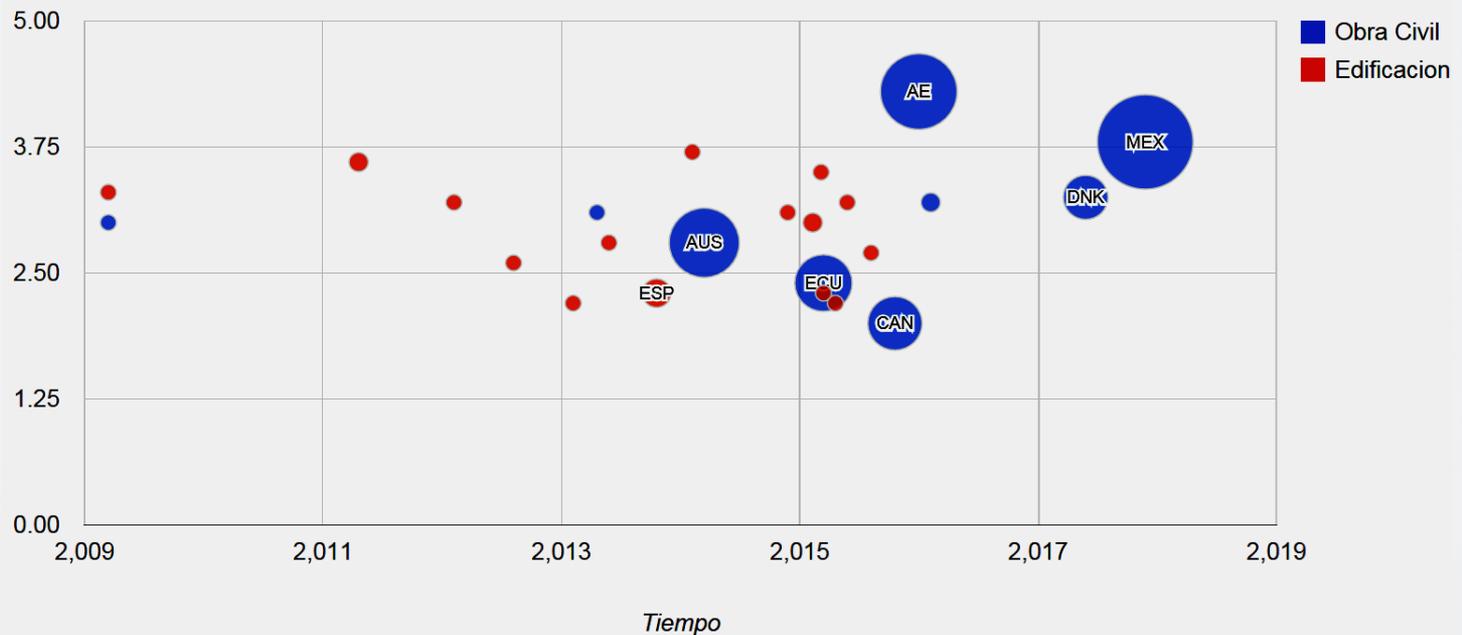


CITOPIC
INGENIEROS TÉCNICOS DE OBRAS
PÚBLICAS E INGENIEROS CIVILES
Valencia - Castellón

Experiencia BIM



Experiencia BIM



Experiencia BIM

Small

High School Massana



Deposits of ATLL



Mar. Espinola offices



Arts School



Building

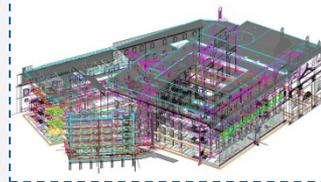
AXA offices building



Prison of Teruel



Temple Palace

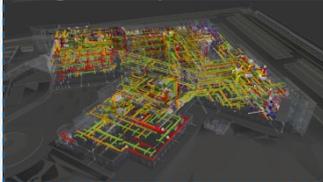


Naranco

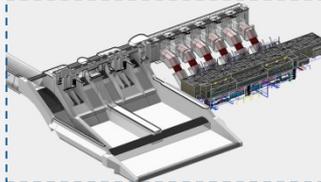


Industrial

Nogales Hospital



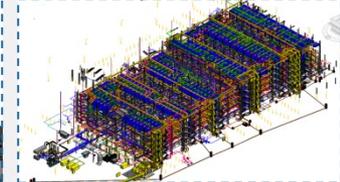
Site-C dam



Power-House

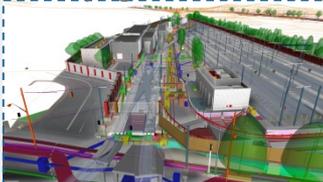


Chile Hospital

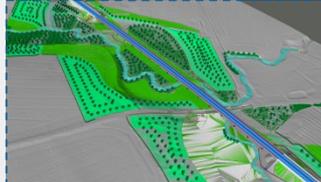


Infrastructure

Sidney Light Rail



High Speed 2



Route2020



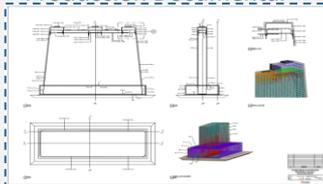
Airport of Mexico



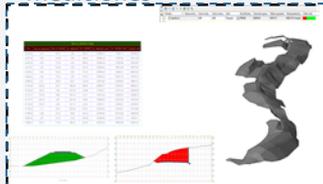
Experiencia BIM

Básicas

Producción Documental



Mediciones



Costes



Coordinación disciplinas



Negocio

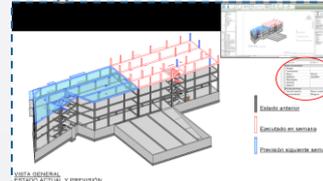
Detección Interferencias



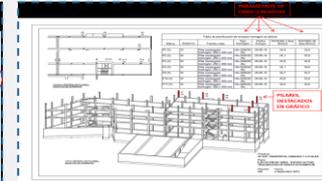
Planificación 4D



Seguimiento Obra



Gestion Calidad



Site Obra

Prevencion Riesgos



Chequeos Visibilidad



BIM field



Trazabilidad

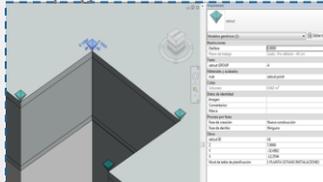


Específicas

Asbuilt Laser



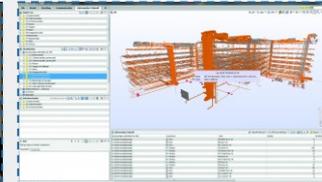
Topografía



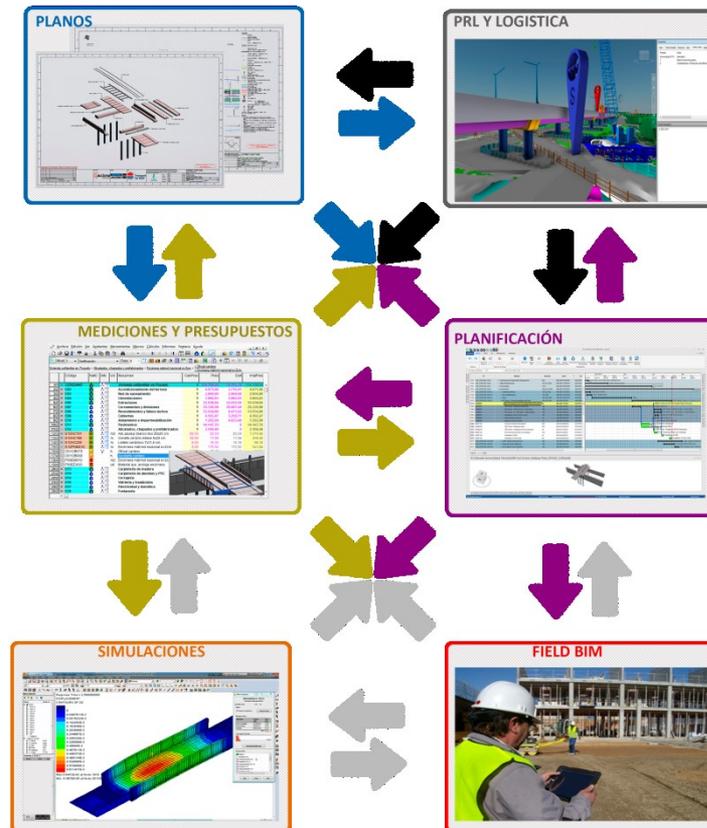
Management



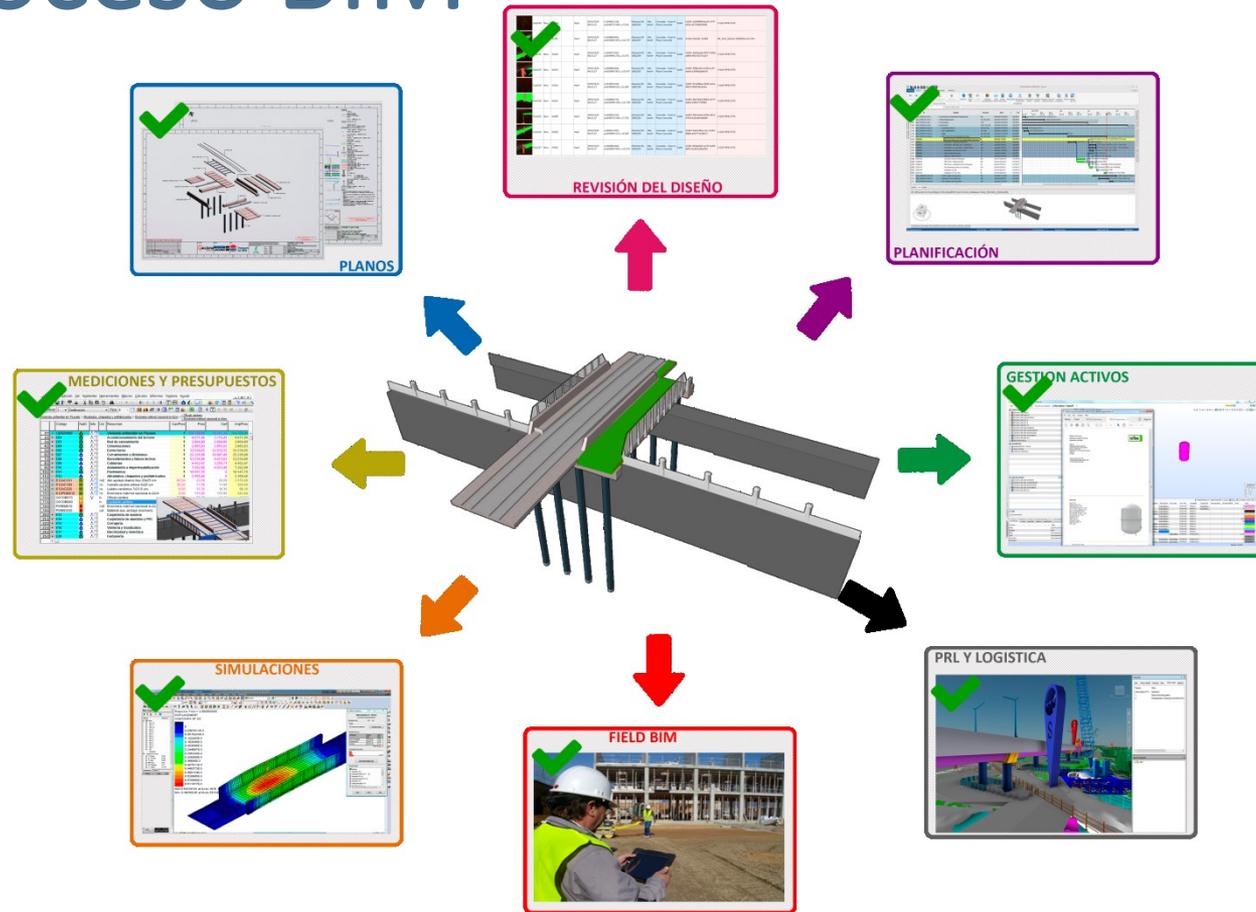
O&M



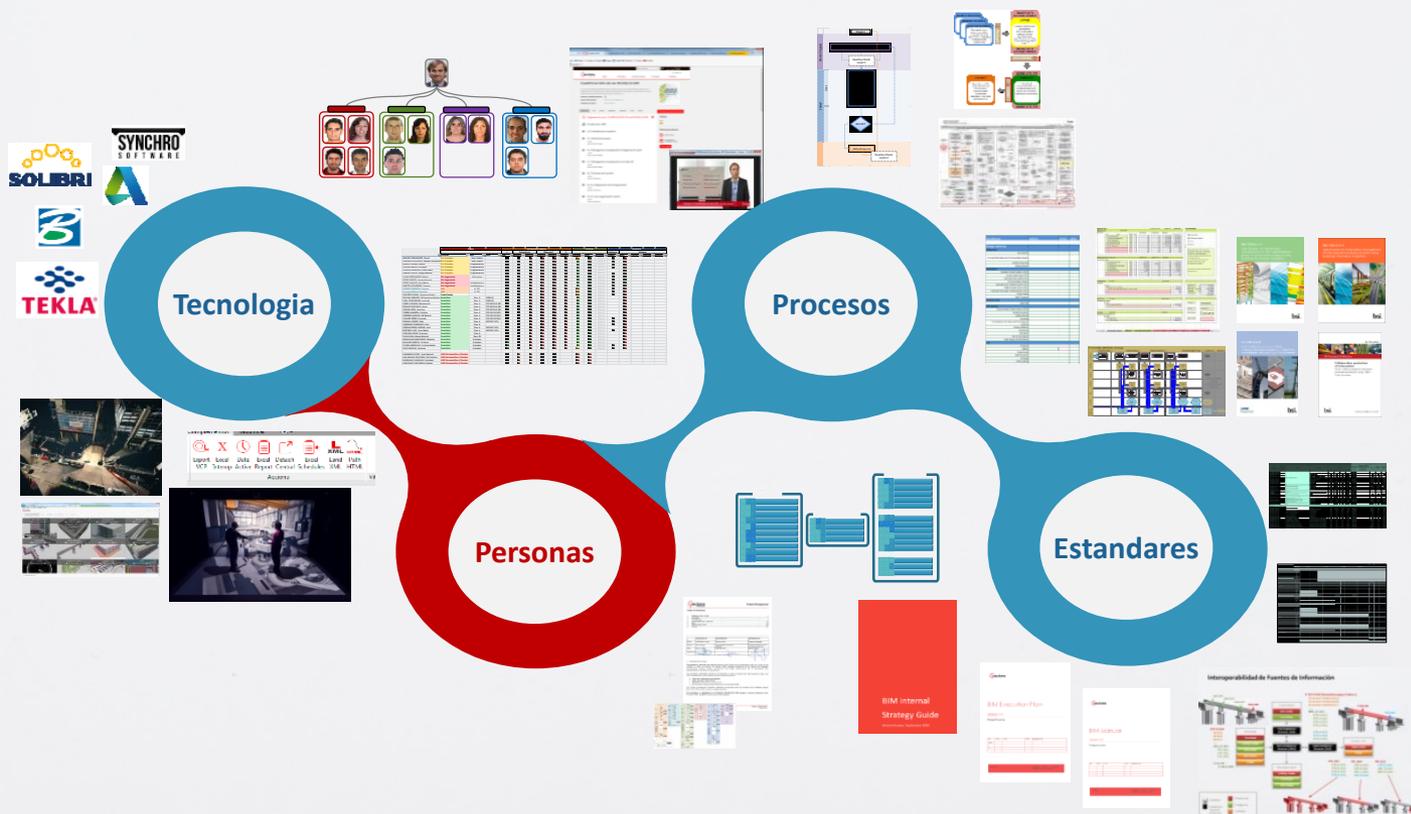
Proceso Tradicional



Proceso BIM



Áreas Impacto



Introducción



introducción



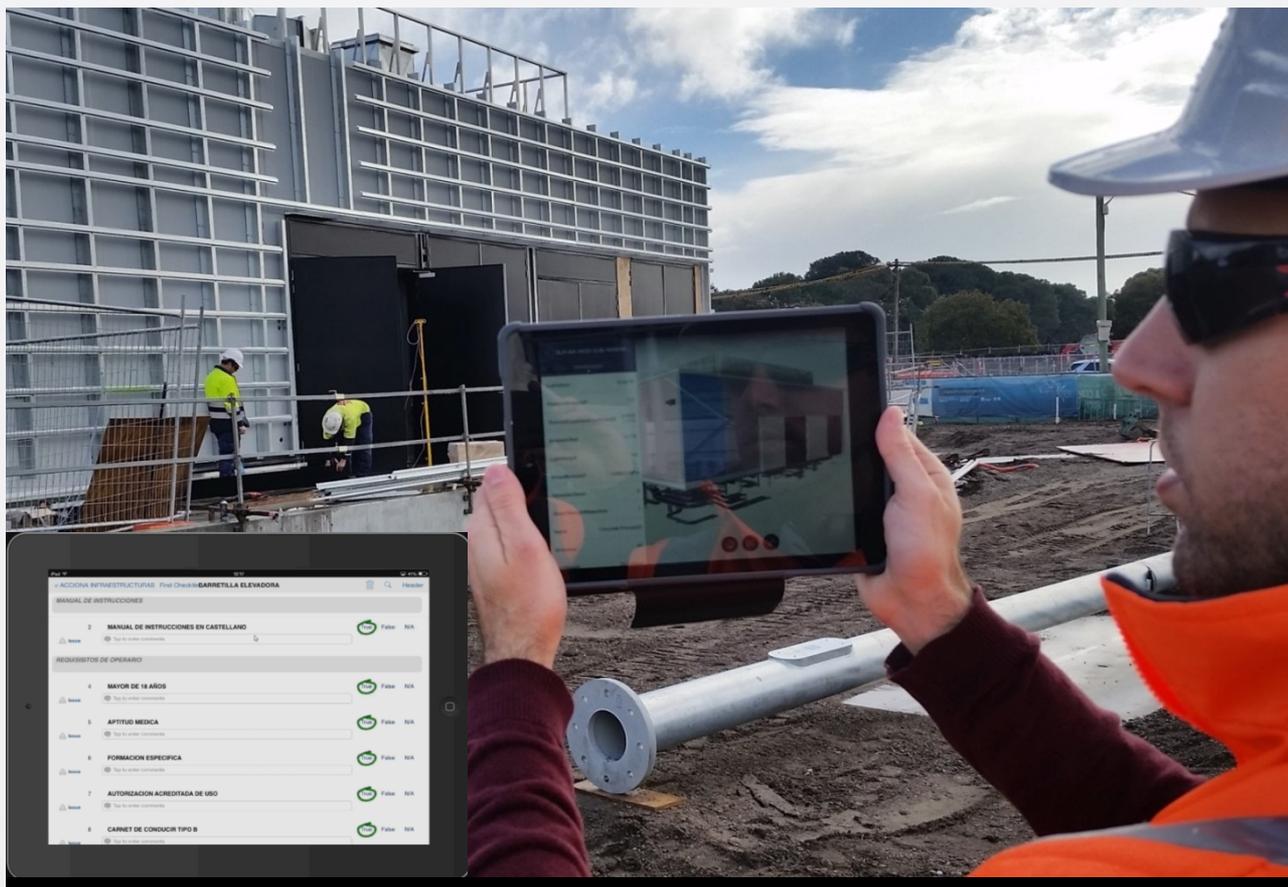
Axioma

La mejor solución no es suficiente..

Lab. BIM/VR

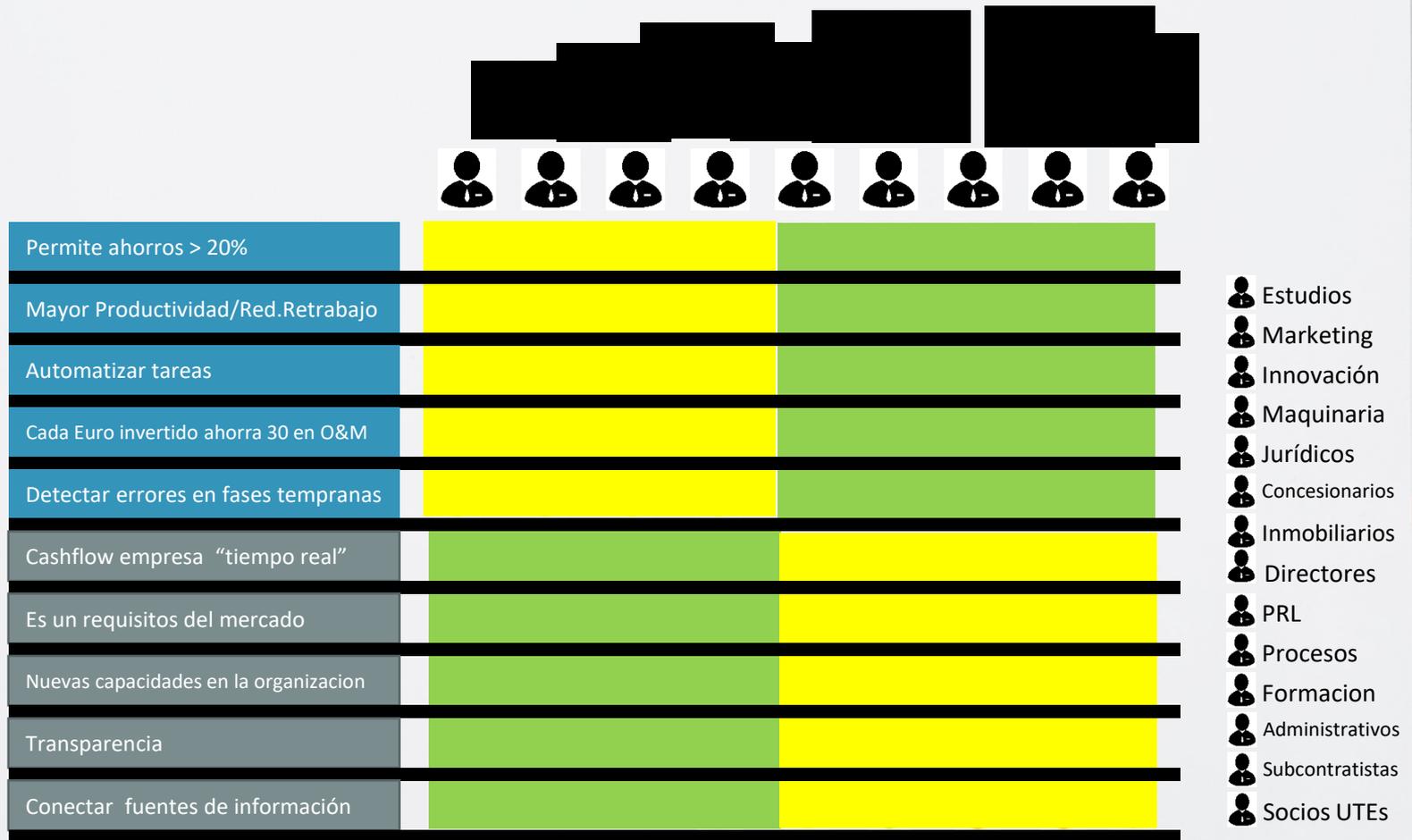


Ejercicio:



-  Jefe Obra
-  Oficina Tecnica
-  Director Pais
-  Topografos
-  TIC
-  Ingenieria
-  Marketing
-  Innovación
-  Maquinaria
-  Jurídicos
-  Concesionario
-  Cliente
-  Directores
-  PRL
-  Procesos
-  Formacion
-  Administrativos
-  Socios UTEs
-  Subcontratistas

Intereses / Interesados

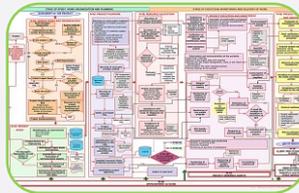


Axioma

Traduce BIM a lo que tu interlocutor comprende y necesita..

Bim vs BiM

Fase 3:
"Es un cambio
en los procesos"



Fase 1:
"Es un modelo 3D"



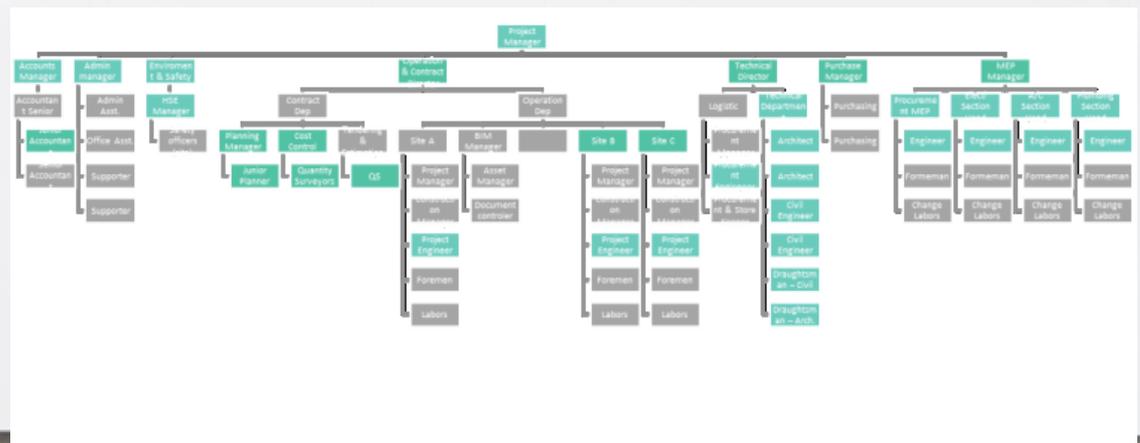
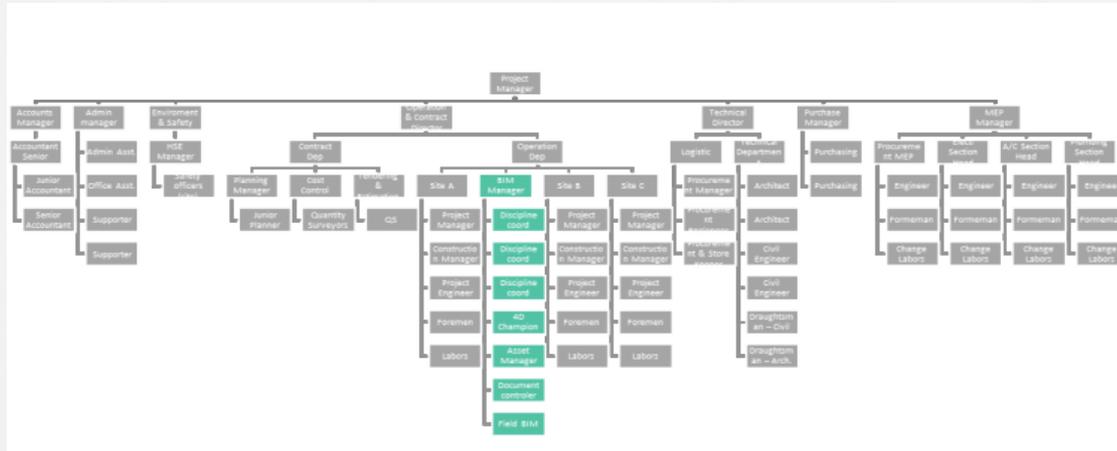
Building Information **Management**

Fase 2:
"Es una base de datos"



Building Information **Modelling**

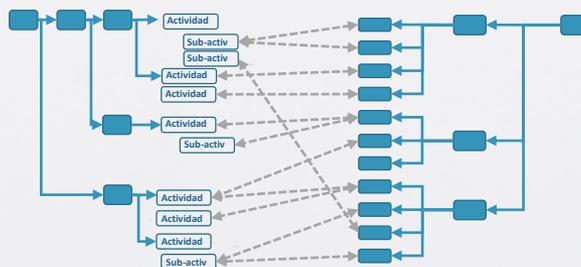
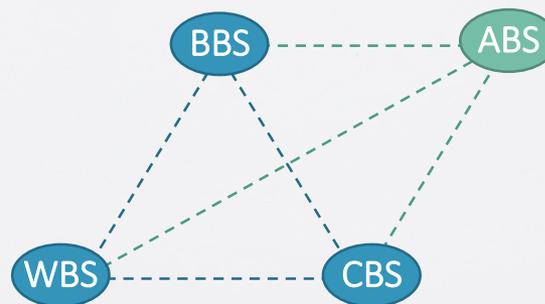
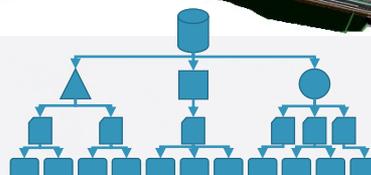
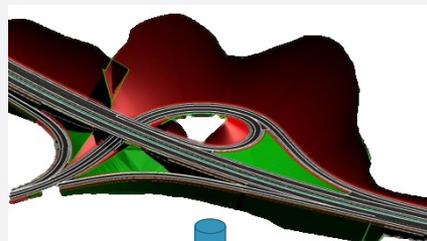
Bim vs BiM



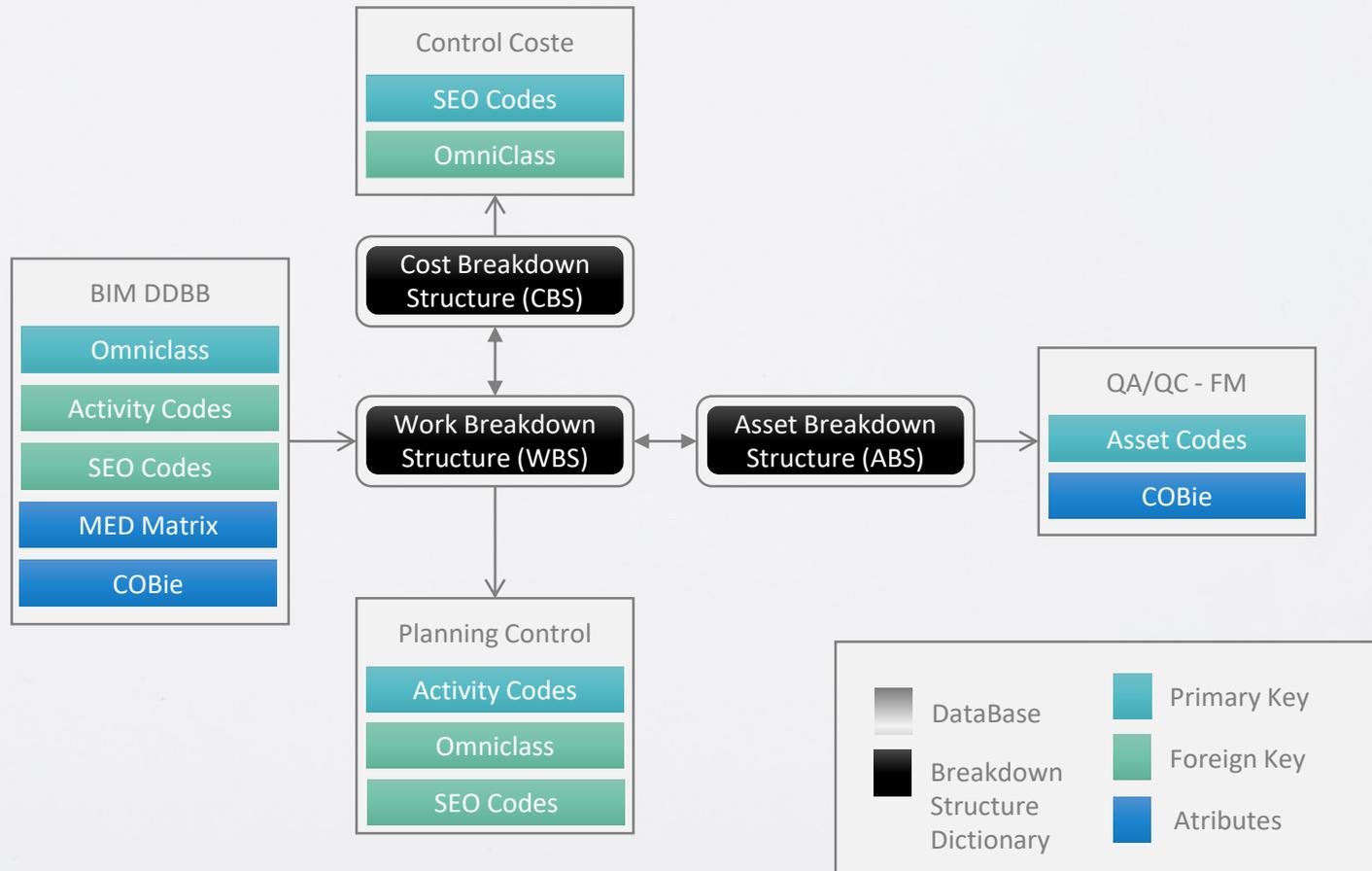
Áreas Impacto



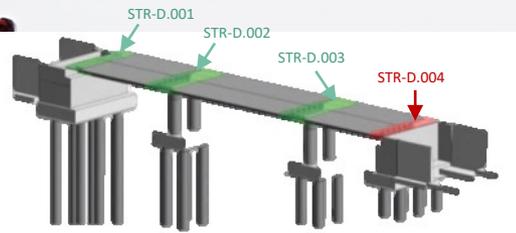
Alinear



Alinear



Alinear



STR-D.004
 Atrib A:
 Atrib B:
 Atrib C:

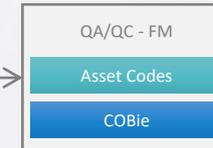
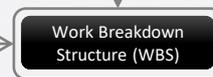
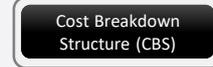
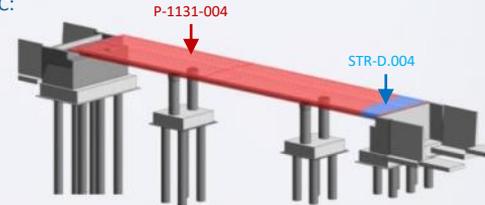
 QA_ref_list:
 ITP_001;
 ITP_002;
 ITP_005;
 Cost_ref :
 P-1031-004



P-1031-004 (Partida Hormigon Tablero)

Economic Subdivision A:
 Economic Subdivision B:
 Economic subdivision C:

BIM_ref_list:
 STR-A.001;
 STR-A.002;
 STR-A.003;
 STR-A.004;
 ...
 STR-D.003;
 STR-D.004;
 STR-D.005;



ITP_001
 STR-D.001:
 STR-D.002:
 STR-D.003:
 STR-D.004:

ITP_009
 STR-A.004:
 STR-B.004:
 STR-C.004:
 STR-D.004:

ITP_022
 STR-D.004:
 ARC-D.004:
 MEP-D.004:



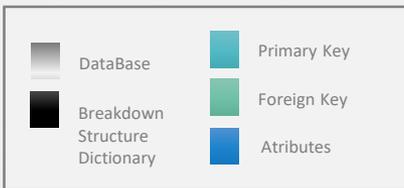
(Bridge Asset)



(Deck Asset) Conc+Met+MEP



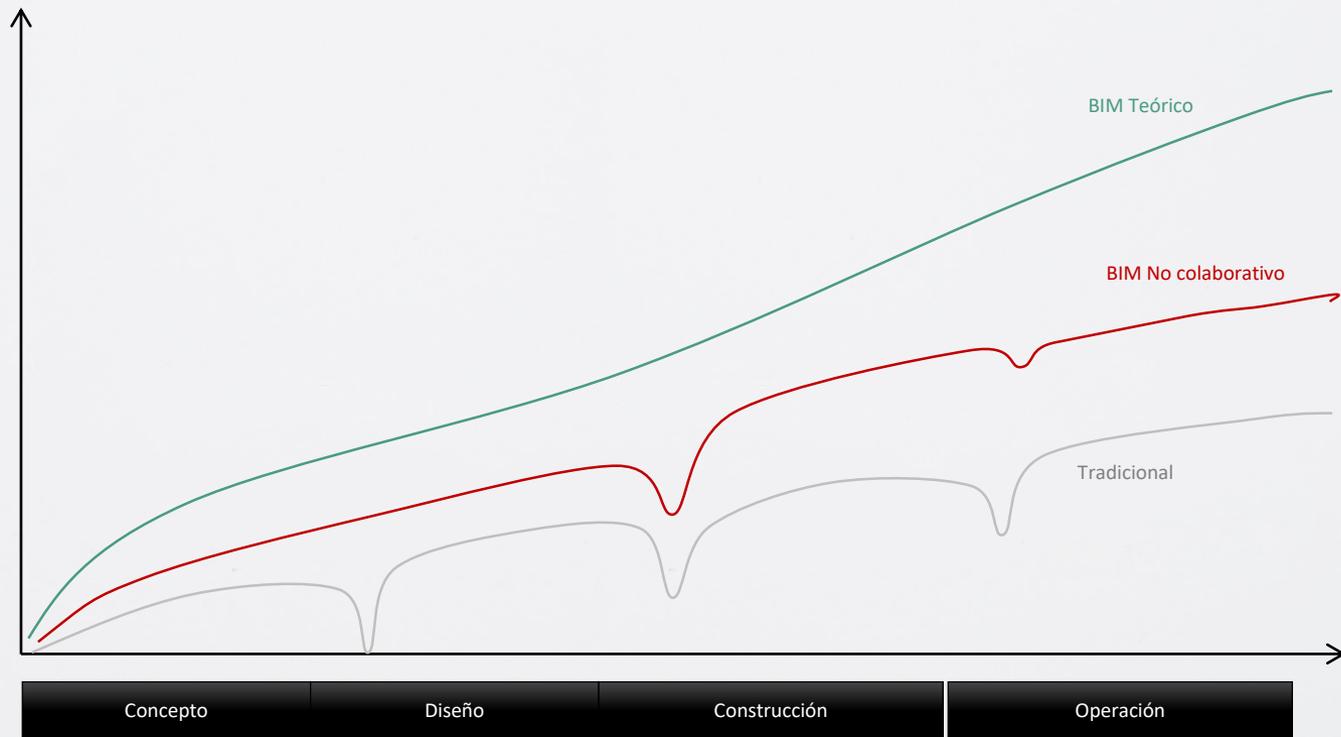
(Abutment Asset)



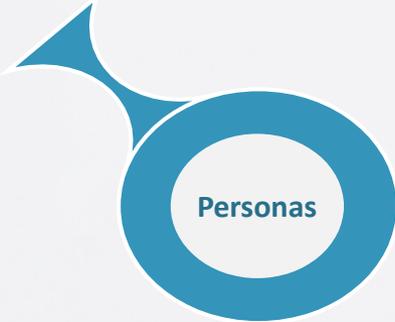
Axioma

Modelar con el fin en mente..

Contratos



Resumen



Personas

- Si te consume menos del 60% de la implantación, **cuidado!**
- BIM **cambia** en cada interlocutor
- Es un elemento **transversal** en la organización
- Antes de pedir BIM, transmite tus **expectativas**

- Sin estándar, **no hay BIM**
- Ten en mente **el final en el inicio**, no improvises!
- BIM en el **centro** del proyecto, documento **contractual**
- **Diseñemos (BIM)** para construir, **construyamos** para operar



Estándares



DIARIO
#CivilBIM
ESTRATEGIA Y PRIMEROS PASOS

