

Design Intelligence Strategy & Project Aurora

*Nouvelles voies pour
la conception des
bâtiments*

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DMAA - dmaa.at
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 **GRAPHISOFT**
A NEMETSCHEK COMPANY

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LES DÉFIS DE L'INDUSTRIE DE LA CONSTRUCTION

COÛTS



90%

des projets de construction rencontrent des dépassements de budget et de délais

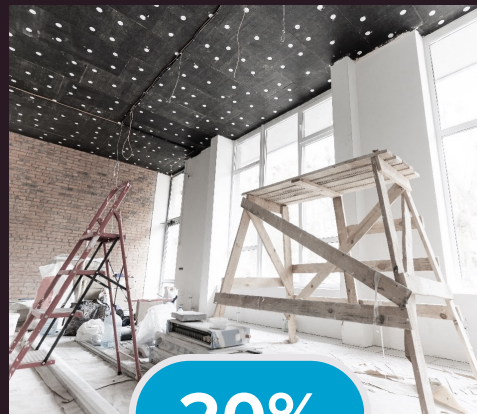
ÉMISSIONS DE CO²



57%

des émissions mondiales de carbone sont causées par l'industrie de la construction

GASPILLAGE



20%

de matériaux sont gaspillés en raison d'une planification inexacte

MAIN-D'ŒUVRE



Important

manque de personnel dans le secteur de la construction

UNE NOUVELLE FAÇON DE CONCEVOIR

IA ET ANALYSES
PILOTÉES PAR LES
DONNÉES

PERFORMANCE
DU BÂTIMENT ET
DURABILITÉ

MODULARISATION
ET
PRÉFABRICATION

EXPLORATION ET **OPTIMISATION**
DE LA **CONCEPTION**
GUIDÉES PAR LES **DONNÉES**

**DESIGN
INTELLIGENCE
STRATEGY**

DESIGN INTELLIGENCE STRATEGY

PROGRAMME ARCH.

CONCEPTION OPTIMISÉE

POTENTIEL DU SITE

BÂTI & CONTEXTE NATUREL
RÈGLES DE ZONAGE
RETOUR SUR INVESTISSEMENT

CONCEPTION DES ESPACES

EXPÉRIENCE HUMAINE
VOLUMÉTRIE
ORGANISATION

DURABILITÉ

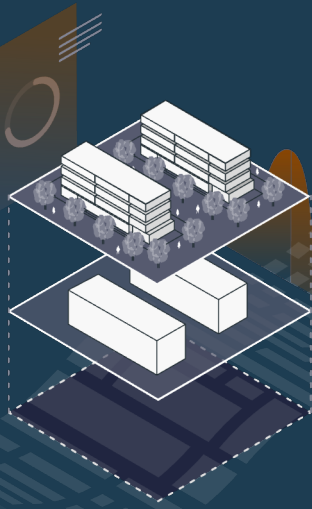
MATÉRIAUX
ÉNERGIE
CARBONE

HIGH LEVEL BIM
PROJECT AURORA

DESIGN INTELLIGENCE STRATEGY

PROGRAMME ARCH.

CONCEPTION OPTIMISÉE



POTENTIEL DU SITE

BÂTI & CONTEXTE NATUREL
RÈGLES DE ZONAGE
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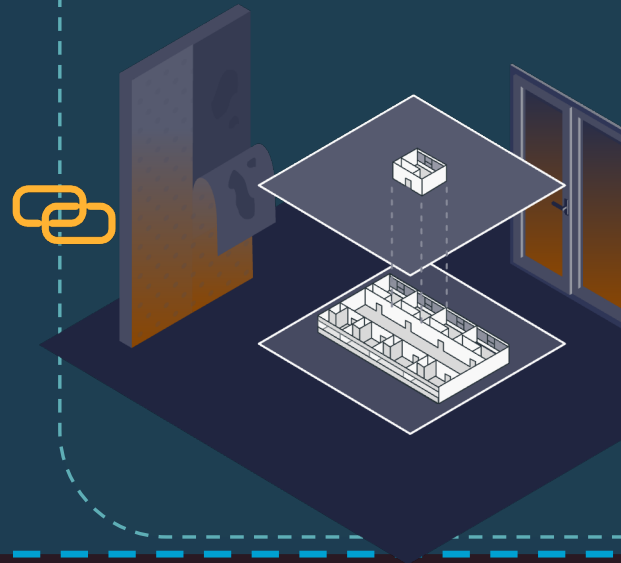
EXPÉRIENCE HUMAINE
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DURABILITÉ

MATÉRIAUX
ÉNERGIE
CARBONE

HIGH LEVEL BIM
PROJECT AURORA

DÉVELOPPEMENT BIM DÉTAILLÉ



STRUCTURES | SYSTÈMES

TYPES – MURS/DALLES/VENTILATION...
MATÉRIAUX
ATTRIBUTS

UNITÉS & COMPOSANTS

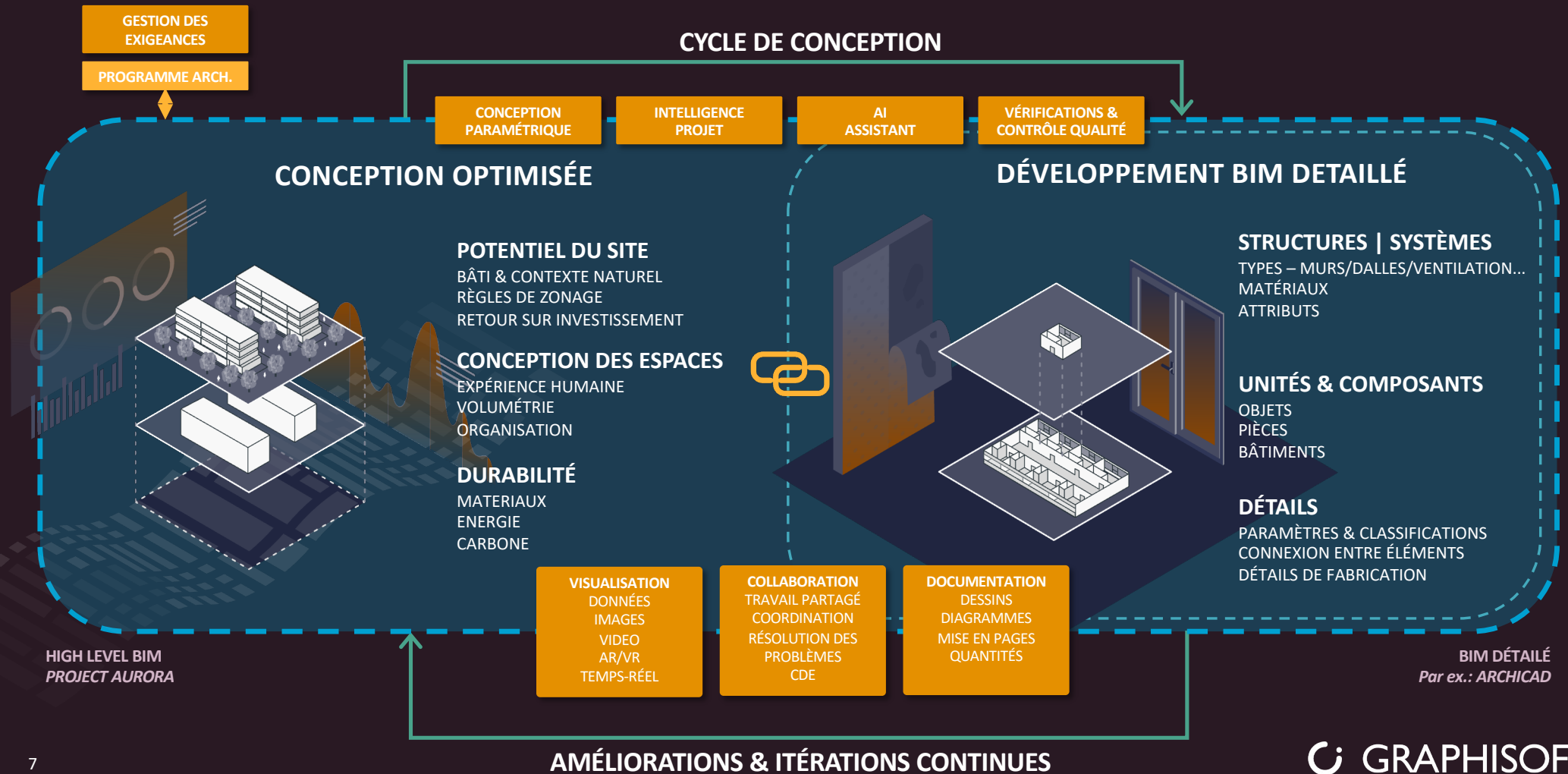
OBJETS
PIÈCES
BÂTIMENTS

DÉTAILS

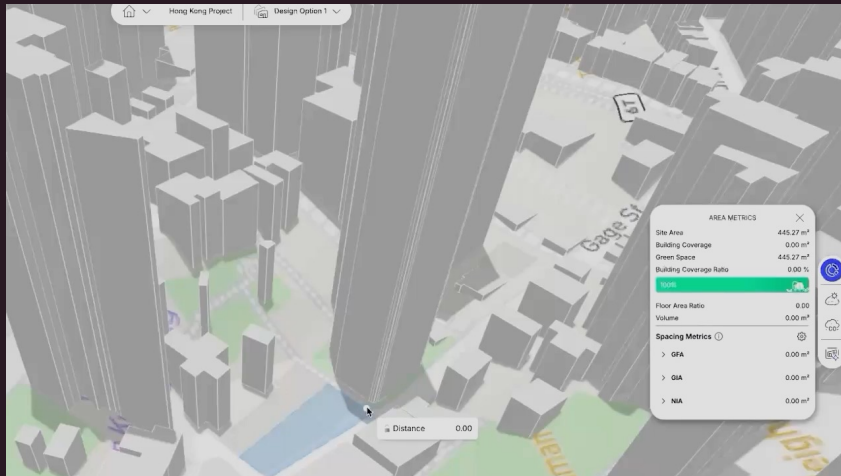
PARAMÈTRES & CLASSIFICATIONS
CONNEXION ENTRE ÉLÉMENTS
DÉTAILS DE FABRICATION

BIM DÉTAILLÉ
Par ex.: ARCHICAD

DESIGN INTELLIGENCE STRATEGY



PROJECT AURORA /VISION PRODUIT/



PLATEFORME DE
CONCEPTION INTELLIGENTE
DE NOUVELLE GÉNÉRATION

PERMETTANT LA PRISE DE DÉCISION
RAPIDE ET DE MANIÈRE ÉCLAIRÉE

POUR CONCEVOIR DES
BÂTIMENTS PLUS PERFORMANTS

OUTILS IA INTÉGRÉS

PROJECT AURORA /POINTS FORTS/

ACCESSIBLE FACILEMENT

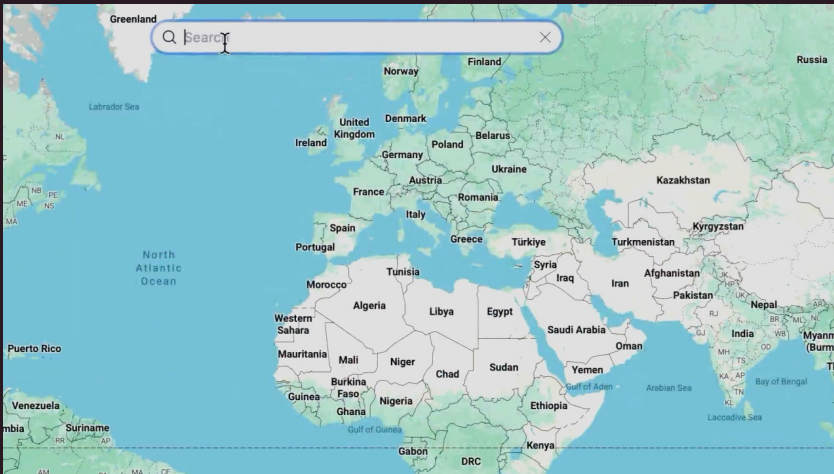
CONÇU POUR LE CLOUD

MULTI PLATEFORMES

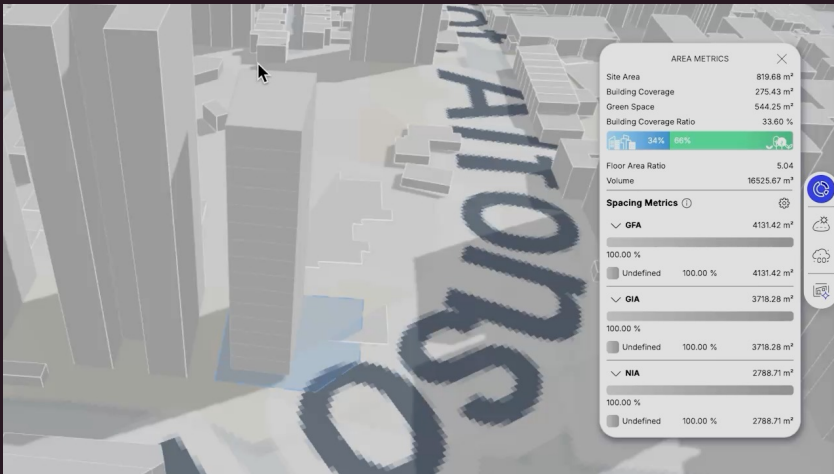
BASÉ SUR UN NAVIGATEUR

CONNEXION FLUIDE, NATIVE ET
BIDIRECTIONNELLE AVEC LES
SOLUTIONS EXISTANTES (AC)

BÂTIMENTS 3D DE SWISSTOPO



PROJECT AURORA /FONCTIONNALITÉS/



IMPORT DU **CONTEXTE 3D**

PROGRAMME ARCHITECTURAL

CONTRAINTES VOLUMÉTRIQUES

BÂTIMENTS | UNITÉS

VARIANTES

STATISTIQUES EN TEMPS RÉEL

ANALYSES SOLAIRES

CARBONE SUR L'ENSEMBLE DU
CYCLE DE VIE

ET **PLUS** À VENIR...

À QUI EST DESTINÉ **PROJECT AURORA** ?



FUTURE AFRICA CAMPUS, SOUTH AFRICA, EARTHWORLD ARCHITECTS, EWARCH.CO.ZA, PHOTO: ©DOOK PHOTO

SEGMENT CIBLE **PRINCIPAL**

BUREAUX D'ARCHITECTURE

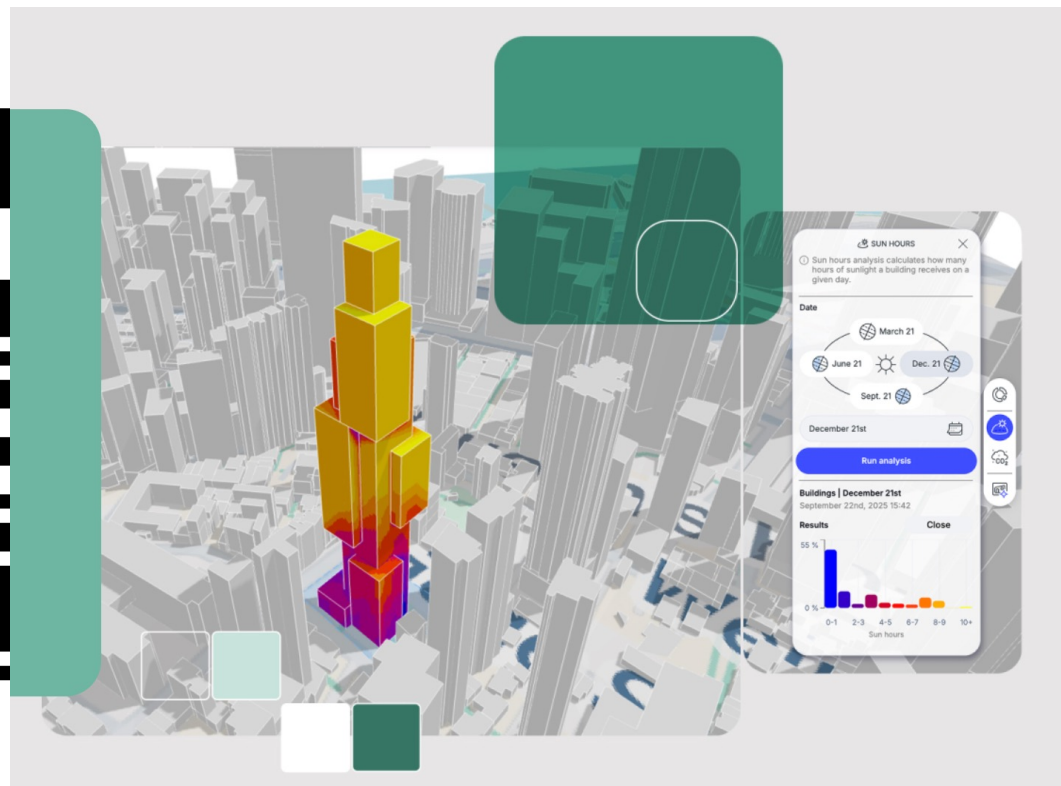


KINEUM – SWEDEN, REFLEX ARKITEKTER, REFLEXARK.SE

SEGMENTS CIBLES **SECONDAIRES**

ENTREPRISES DE DÉVELOPPEMENT IMMOBILIER
BUREAUX D'URBANISME

REJOIGNEZ LA LISTE D'ATTENTE !



MERCI !

