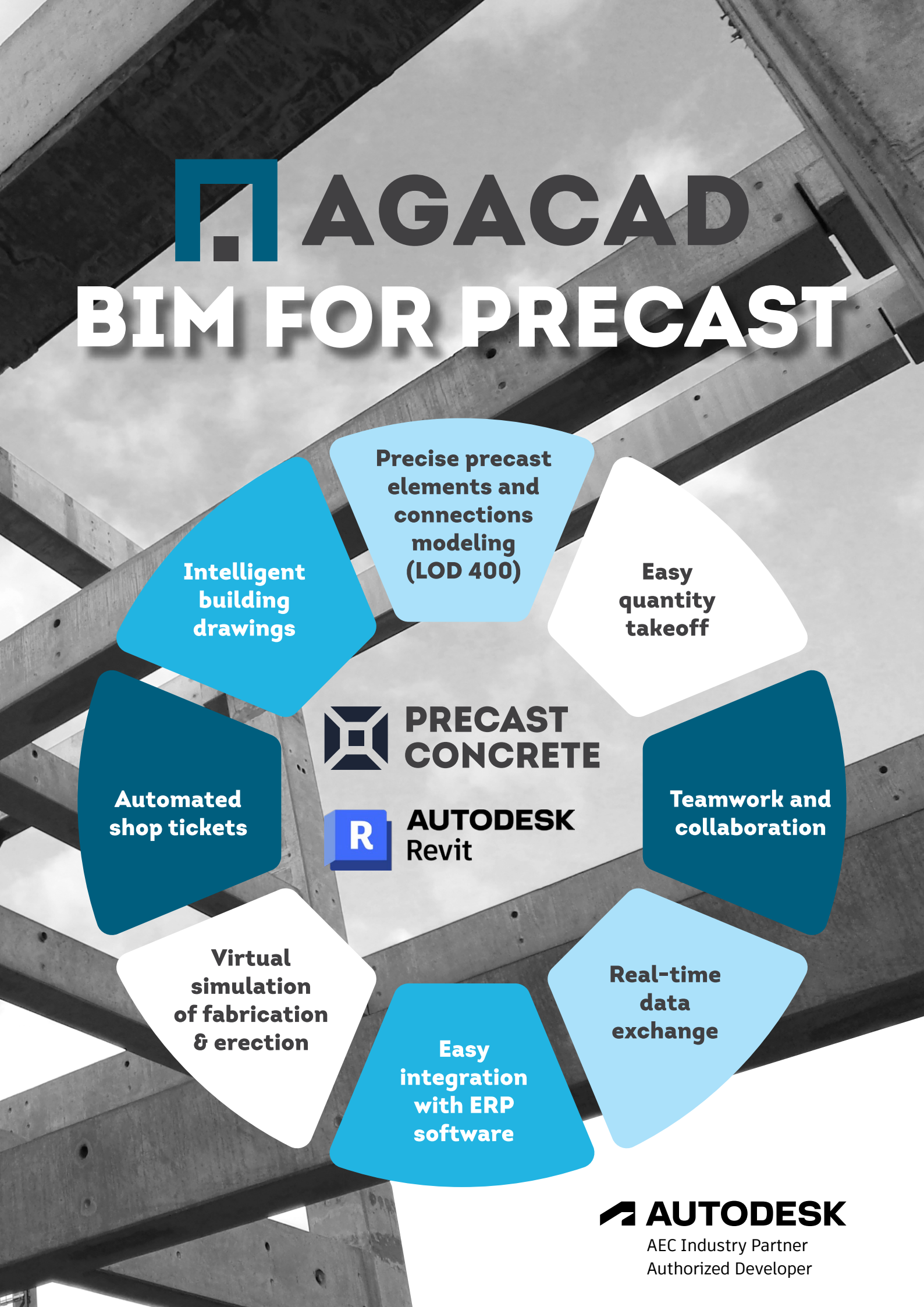




AGACAD **BIM FOR PRECAST**

**Intelligent
building
drawings**

**Precise precast
elements and
connections
modeling
(LOD 400)**

**Easy
quantity
takeoff**

**Automated
shop tickets**



**PRECAST
CONCRETE**



**AUTODESK
Revit**

**Teamwork and
collaboration**

**Virtual
simulation
of fabrication
& erection**

**Easy
integration
with ERP
software**

**Real-time
data
exchange**

 **AUTODESK**

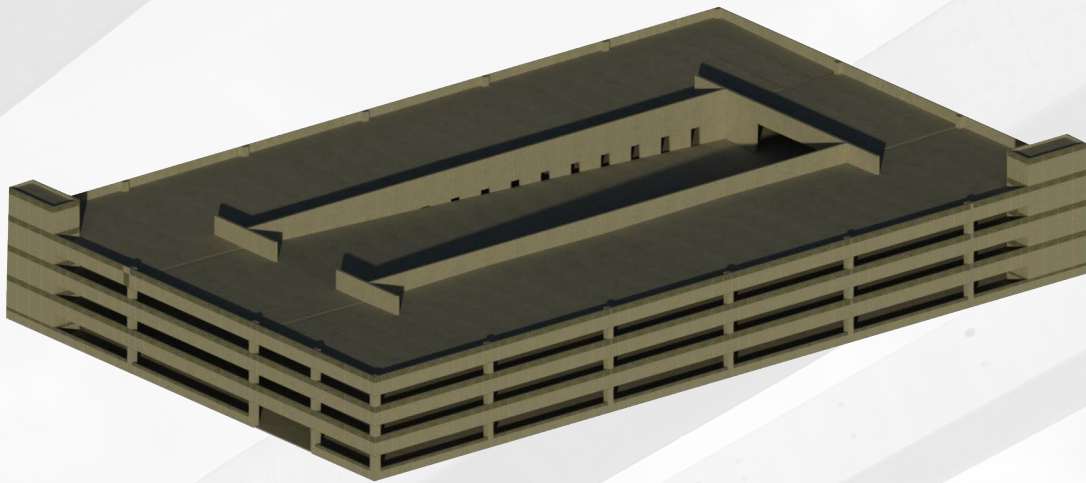
AEC Industry Partner
Authorized Developer

BIM FOR PRECAST	Foundations, Columns & Beams	Slabs - Double Tee, Hollow Core, Solid, Filigran, Daladekk, Channel, Bubble Deck	Walls - Solid, Sandwich, Double, Spandrels, Socle	Stairs & Stair Landings	Reinforcement
Element modeling	Revit	PRECAST CONCRETE	PRECAST CONCRETE	Revit	Revit
Insert structural details, connections, families	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	Revit	
Insert lifting points/details, gravity point	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	Revit	
Modeling temporary bracing			PRECAST CONCRETE		
Architectural & MEP openings	Revit / Cut Opening	Revit / Cut Opening	Revit / Cut Opening	Revit	
Electricity details/voids			Revit		
Reinforcement	Revit	Revit	Revit / PRECAST CONCRETE	Revit	Revit
Sorting	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE
Labeling	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE
Shop drawings	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE
Edit/modify/update elements, details, drawings	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	Revit
Any size & section of elements	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	Revit
Any company standards for shop drawings	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE
Any country's connection types	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	
Auto-search connection type between elements	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	
Auto-resize structural connections	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	
Auto-avoid impossible situations			PRECAST CONCRETE		

BIM FOR PRECAST	Foundations, Columns & Beams	Slabs - Double Tee, Hollow Core, Solid, Filigran, Daladekk, Channel, Bubble deck	Walls - Solid, Sandwich, Double, Spandrels, Socle	Stairs & Stair Landings	Reinforcement
Erection drawings	Revit / PRECAST CONCRETE	Revit / PRECAST CONCRETE	Revit / PRECAST CONCRETE	Revit	Revit / PRECAST CONCRETE
Elevation drawings	Revit / PRECAST CONCRETE	Revit / PRECAST CONCRETE	Revit / PRECAST CONCRETE	Revit	Revit / PRECAST CONCRETE
Connection drawings	Revit	Revit	Revit	Revit	Revit
Quantity takeoff & cost estimation	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE
ERP integration	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	
Teamwork	Revit	Revit	Revit	Revit	Revit
Same-platform MEP & architectural models	Revit	Revit	Revit	Revit	Revit
CNC export rebar bending	Revit Precast	Revit Precast	Revit Precast	Revit Precast	Revit Precast
CAM precast automation export	Revit Precast	Revit Precast	Revit Precast	Revit Precast	Revit Precast
Erection sequence	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks
Production & fabrication status	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks
Manufacturing planning	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks
Transportation planning	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks
As-built records	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks	Revit / Navisworks
Alignment with field points	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	

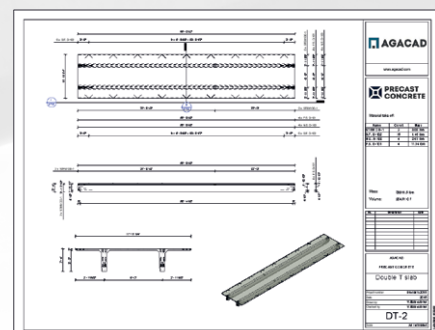
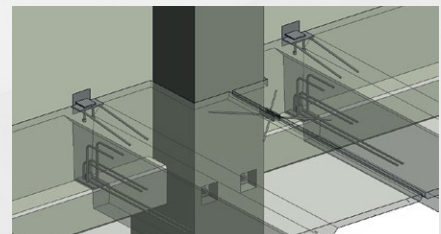
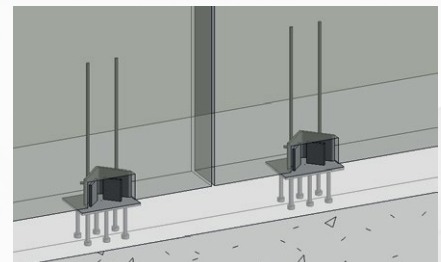
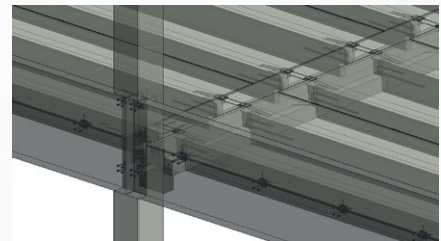
PRECAST CONCRETE

Compatible
with



AUTOMATED PROCESSES

- **WALLS** – solid, sandwich, architectural, hollow core, etc.
- **SLABS** – hollow core, DT, solid, filigree, etc.
- **CONNECTIONS** – insert hardware to connect beams, columns, walls, slabs, etc.
- **NUMBERING**, filtering, sorting
- **SHOP TICKETS** – dimensions, schedules, material take-offs, sheets



 **AGACAD**

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