



INTEGRATED FAÇADE SOLUTIONS

From design to
construction and inspection



WHY HILTI?

Hilti offers an integrated ecosystem of hardware, software, and service solutions to help improve your façade design and construction.

FOREWORD

Our commitment to our façade contractors is bringing innovative integrated solutions in tandem with first-class services to help complete the job on time and within budget. This can help contractors cope with market trends and headwinds such as labor shortages,

longer lead times, lack of skilled labor, employee retention, communication, among others.

Simplifying traditional processes via innovation, simplicity, and on-time execution are just some of the key areas

where Hilti has been striving to excel as part of our goal of becoming a trusted part of your business. The objective of this brochure is to show the different services and solutions that Hilti has to offer to the façade industry.

INNOVATION THAT HELPS BRING EFFICIENCY AND PEACE OF MIND

Hilt brings integrated façade solutions to help streamline document designs and execution processes. From curtain wall to rainscreen facades, Hilti offers the most comprehensive façade solutions in North America.

With industry experts and a long list of returning customers we are here to help you drive your business forward.

Our products and services help better implement Quality Management Services (QMS) that improve traditional practices,

helping to provide the peace of mind from a quality, design, installation, and approval point of view.

Façade Segment (continued) →

HILTI FAÇADE

From fastening, firestopping, layout to engineering and project management services specifically tailored to façade applications, Hilti is the reliable partner that offers cross-functional competency to help provide overarching solutions to your projects.

CLICK
HERE
TO
Learn
More

CURTAIN WALL

RAINSCREEN FAÇADE

WINDOW WALL

STRUCTURAL GLAZING

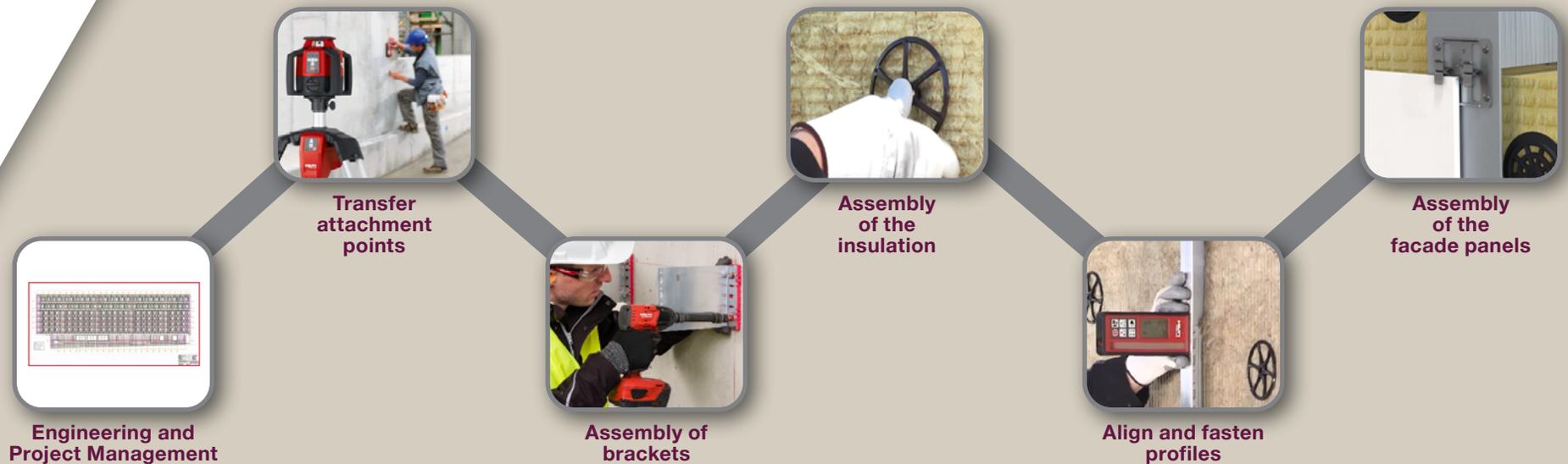
THE OPTIMAL BLEND OF HARDWARE, SOFTWARE, AND SERVICES

Hilti understands the key role people play in the long-term success of an organization. Equipping people with the right tools helps promote more efficient and happier employees who are more likely to stay with the company.

CURTAIN WALL EMBEDS



RAINSCREEN FACADES



PROJECT MANAGEMENT AND LOGISTICS SERVICES

Personalized logistics services to help reduce the probability of onsite errors and help ensure material gets delivered on time.

HELP REDUCE THE PROBABILITIES OF ON-SITE MISTAKES



Custom labels to meet customer/contractor requests



Typically includes Hilti and/or customer item number



Ability to include a painted dot to quickly identify types of HAC for contractors

PROFESSIONALLY PACKAGED PALLETES TO EASE JOB SITE SORTING

Collars at corners to cope with jobsite handling

Seperate layers for easy identification of inventory and HAC per floor

Project Name
Floor No.
Material Description
Quantity



Clearly label each pallet on all 4 sides

Project Name Address Contact Name
Contact Information PO No.
Floor No.
Material Information



[WATCH VIDEO](#)

SOFTWARE FOR OPTIMIZED DESIGNS BASED ON STATE-OF-THE-ART CODES

Hilti offers a range of powerful software solutions to design your bracket fixing to the last detail. Hilti's Software helps simplify one of the most challenging design components of the façade.

Comply

Help maximize the probability of a successful submittal approval via model code compliant designs.

Optimize

Explore different configurations for optimal designs.

Productivity Gains

Help reduce design engineering hours with a user-friendly interface to simplify embed design.



Profis Engineering



Profis Anchor Channel Design Software



Hilti Bim, Cad Library, Adaptive Torque Documentation



MANAGEMENT IN THE PALM OF YOUR HAND

Designed to help make it easier to manage your business, tools, and jobsite. On!Track 3.0 helps minimize the total cost of acquiring, maintaining, and operating all your assets (not limited to Hilti related assets).



ON!TRACK

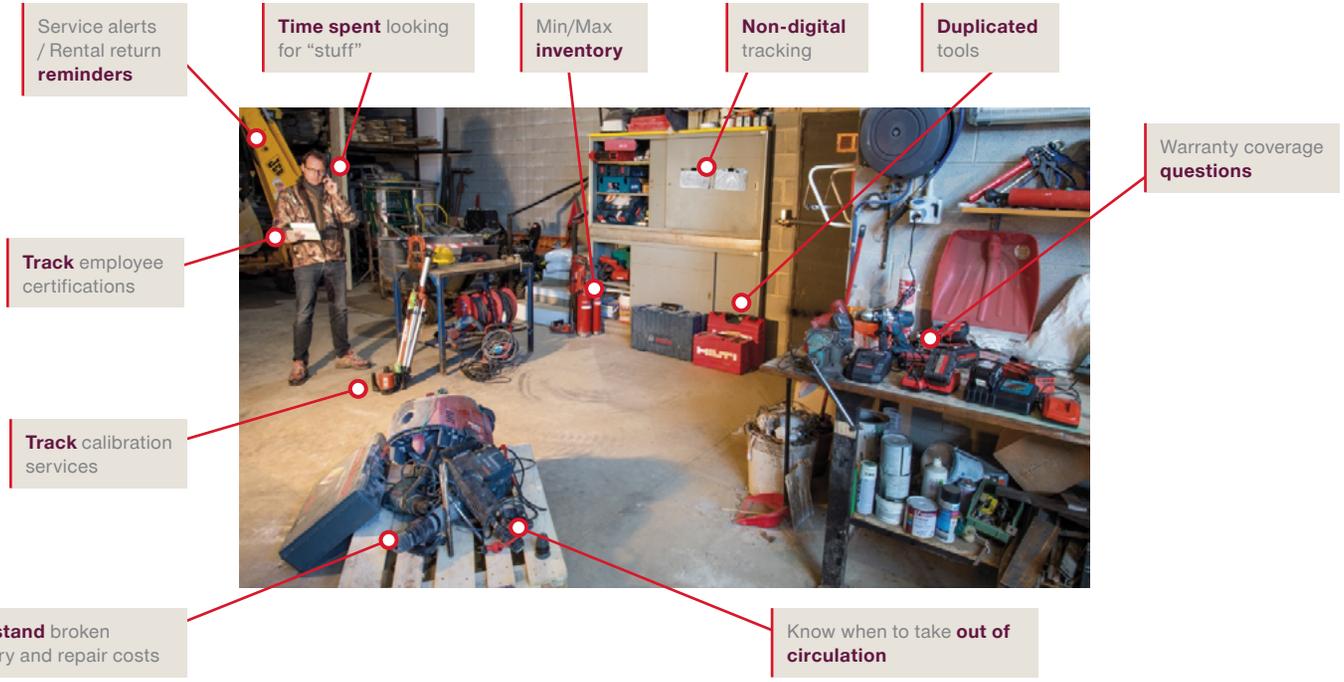


Active Tags and Proactive Tracking Solution



ON!TRACK IN ACTION

ON!TRACK 3.0. comes with the required services to help ensure a successful implementation and execution.



YOUR FAÇADE PARTNER FOR EVERY FASTENING CHALLENGE

Hilti's full range of fastening technologies helps to ensure that we can provide model code compliant solutions regardless of the job complexity. Whether it is cast-in, post-installed fasteners for lightweight concrete, steel or CMU in seismic regions, Hilti has a solution for the application.



CLICK HERE TO Learn More

CAST-IN ANCHOR CHANNEL (HAC-V)



CAST-IN INVERTED CHANNEL (HAC-TU)



Offers ease of installation and on-site adjustability in two axis providing the versatility needed to fix window wall panels.

POST-INSTALLED ANCHORS

-  **Chemical**
-  **Sleeve**
-  **Screw**
-  **Wedge**
-  **Undercut**

DIRECT FASTENING



Fastening (continued) →

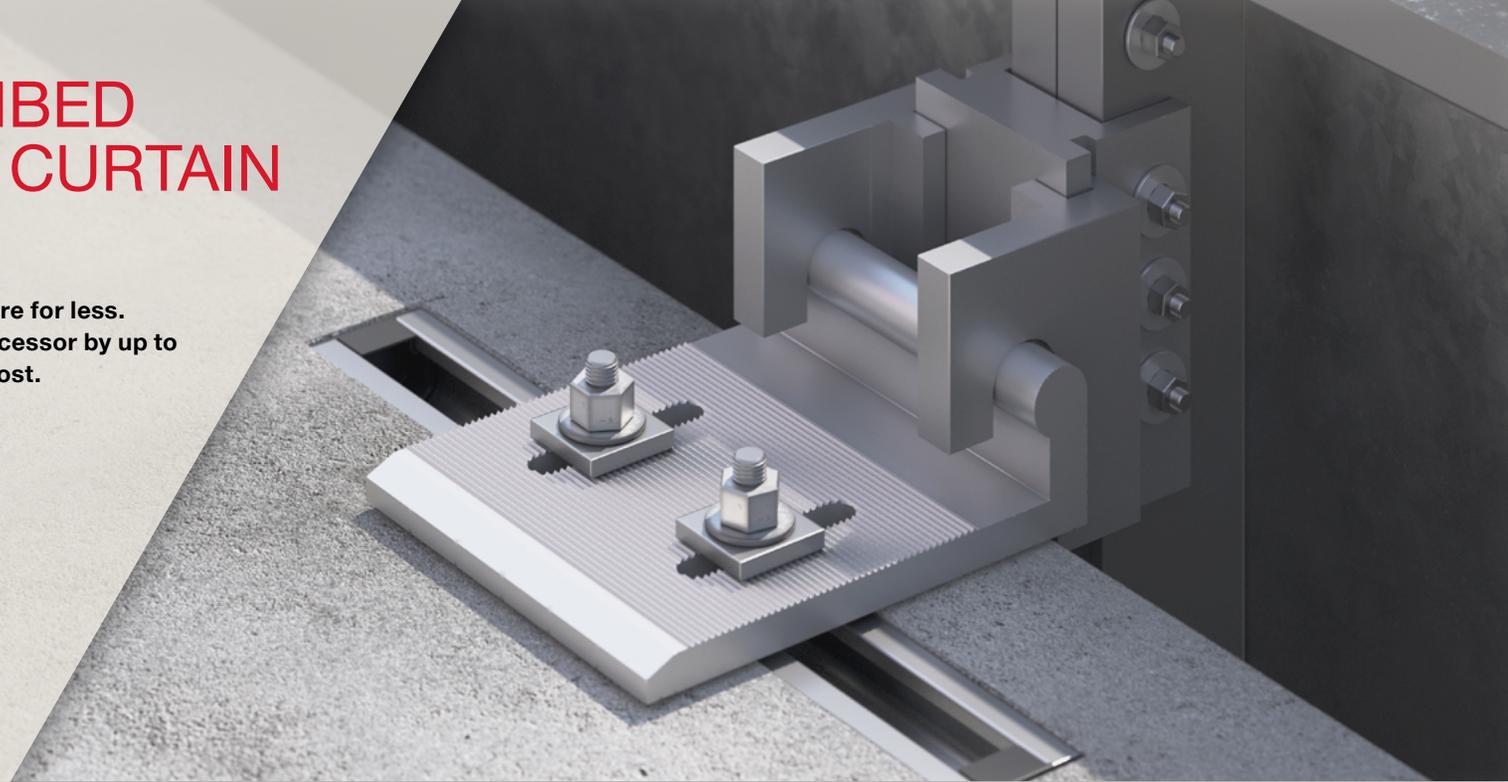
A REDEFINED EMBED PORTFOLIO FOR CURTAIN WALL FAÇADES

The improved embed portfolio gives you more for less. The new portfolio may outperform its predecessor by up to one embed size without compromising its cost.

The new way to set the Hilti Anchor Channel T-bolts



Hilti's SIW 6AT-A22 Cordless Impact Wrench with the smart Hilti Adaptive Torque Module SI-AT-A22



HAC-V

NEW

Most feasible anchor channel type. Outperforms its predecessor by up to one embed size.



ICC
ES
ESR-3520

HAC-V Rebar XTS

NEW

Up to **5X** higher concrete tensile performance than traditional anchor channels.



ICC
ES
ESR-3520

HAC-V Rebar XTS improves the steel performance of its predecessor by **up to 20%**

HAC-V EDGE (Lite)

NEW

Up to **6X** higher concrete edge breakout shear performance than traditional anchor channels.



HAC-V EDGE improves the steel performance of its predecessor by **up to 30%**

*Since the EDGE Plate is not structurally connected to HAC-V the product itself is covered by ICC ESR-3520. The concrete edge failure mode in shear is based on a Hilti method to account for the positive influence of the edge plate.

Fastening (continued) →



HELP INCREASE THE PROBABILITY OF A SUCCESSFUL EXECUTION

Although cast-in has become one of the preferred fixing methods in façade, there are instances where due to timing, cross-trade coordination, field fixes, retrofitting, etc. may not allow the use of such technology.

Hilti helps you meet your project demands thanks to an innovative range of post-installed anchors.



A WIDE RANGE OF ANCHORING TECHNOLOGY BACKED-UP BY APPROVALS

The fastening of façade panel connections is typically a non-redundant system. That means, if one anchor fails, the panel connection will also fail.

Selecting a reliable and approved fastener that copes with today's market challenges such as fast-tracked construction, lack of skilled labor, construction errors, different base materials, etc. can help ensure the long-term success of the project, helping increase the probability of a successful execution.



Chemical



Sleeve



Screw



Wedge



Undercut

One supplier for all base materials



Uncracked concrete



Cracked concrete



Lightweight concrete



Hollow-core concrete



Grout-filled concrete



Hollow concrete block



Hollow clay brick



Unreinforced Multi-wythe brick

...regardless of weather conditions



Dry



Water saturated concrete



Water-filled holes



Submerged (underwater)

Fastening (continued) →



HELP MINIMIZE CARBON FOOTPRINT WITH A USER-FRIENDLY PORTFOLIO

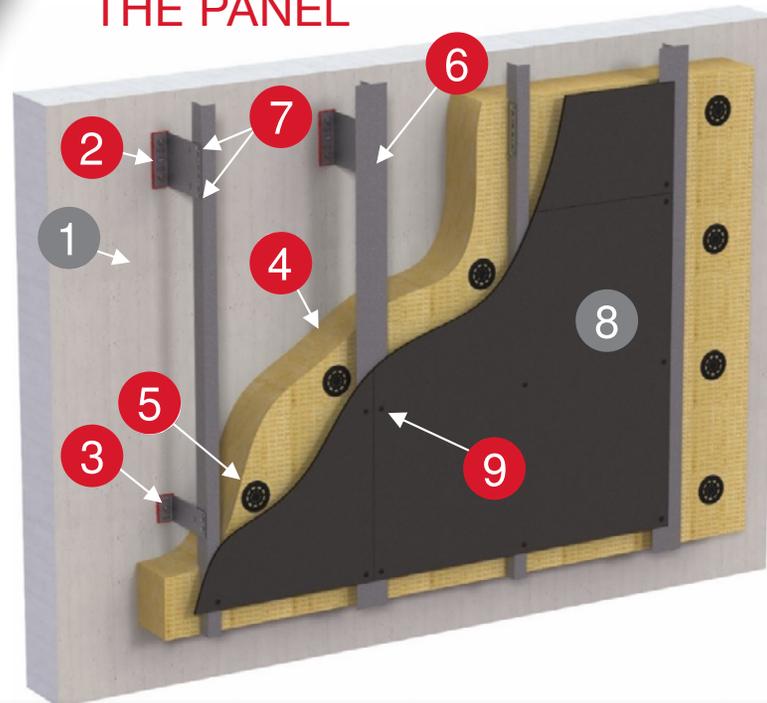
Hilti's portfolio has been designed to help integrate the aesthetics needs of architects, the structural integrity for long-lasting buildings, and thermal performance to meet the new energy regulations.

From an installation perspective, the portfolio helps provide the versatility needed to cope with construction requirements such as construction tolerances and ease of handling.



HILTI'S RAINSCREEN PORTFOLIO INCLUDES EVERYTHING BUT THE PANEL

CLICK HERE TO Learn More



- Offered by Hilti
- By others

Lower thermal conductivity and higher load performance with FOX-T Bracket

Isotherm image of conventional substructure Isotherm image FOX-T

- 2**
Bracket (vertical and horizontal)
- 3**
Bracket fastener
- 4**
Insulation
- 5**
Insulation fastener
- 6**
Rails
- 7**
Profile fastener
- 9**
Cladding fastener
- 1**
Base material
- 8**
Cladding material

PLAN FOR THE UNPLANNED

Life safety and asset protection is the ultimate goal of compartmentalization at the edge of slab. Ambitious designs and strict project schedules mean that perimeter fire containment must be quicker and easier to install correctly — while considering movement, acoustics, and water resistance.

Early firestop coordination helps increase the probability of a successful project execution

Although properly sealing the perimeter of the building sounds simple, firestop at this location can be a complex topic. Because of this, it is key to work with the experts early and often. Understanding what the required firestop solution should be at an early stage helps increase the likelihood that the project is completed on time and within budget.

Help set you and your firestop contractor up for success with a proactive approach

With an extensive portfolio of firestopping products and UL and Intertek approved systems, in tandem with engineering services and support, Hilti has a solution to help fit your needs on every jobsite.

Firestop Engineering Request made simple

Experience an improved digital Engineering Judgment (EJ) process for Firestop applications with the new Hilti Construction platform, including a userfriendly and intuitive interface where you can submit, track, and store your EJ requests.

[SUBMIT AN ENGINEERING JUDGMENT REQUEST](#)

YOUR BUDGET IS NOT DISPOSABLE, YOUR TOOLS SHOULD NOT BE EITHER

The Hilti Façade Job Box equips your field members with state-of-the-art- tools helping to increase productivity and safety while making the job easier and creating a productive culture.



CUSTOMIZED FOAM SHELVING



Lean practices that help drive productivity

- Specific spot for each tool
- Quickly see if tools are missing at day end
- Requires battery removal to help incentivize charging

HELP BRING EFFICIENCY TO THE JOBSITE WITHOUT COMPROMISING YOUR BUDGET WITH THE HILTI FAÇADE JOB BOX



Branded Job Box

- Secure storage solutions
- Co-branding available with customer logo

Optimized Crew Kits

- Dedicated box for each crew/application
- Minimizes tool sharing
- Option of owning the job box at end of the job

DOCUMENTED EXECUTION WITH UNMATCHED PRECISION

Today's fast paced construction is leading contractors to reduce the dependency on other trades. Hilti user-friendly total stations help you take control of your schedule. In addition to efficiency gains, the importing and exporting data features allow you to document your work and/or findings, which can then be submitted to other trades.

Our local specialists across North America are ready to provide face to face training.



LASER CALIBRATION FOR A RELIABLE LAYOUT

Hilti Calibration Services

Hilti measuring tools are designed to minimize down time and increase longevity. When you factor in superior service for the life of the tool, you will know you're getting the best possible performance and the best value for your investment.

All Measuring tools receive unlimited free calibrations during the Fleet term.



TAKE CONTROL OF YOUR SCHEDULE

The Hilti user-friendly total stations help do the job right the first time, helping avoid construction delays.

Reporting functions provided by the Total Stations provide documentation to back-up your findings.



GLASS FIXING MADE EASIER

HIT-HY 270 provides a simple and non-corrosive alternative to secure your glass. Its high compressive strength and outstanding ductility properties translate into a secure load transfer to the glass shoe while reducing tension peaks.

 [WATCH VIDEO](#)

[CLICK
HERE
TO
Learn
More](#)



The glass panes are supported with HIT-HY 270 from the base of the U-profile to the top of the U-profile in periodic locations along the length of the glass.

BENEFITS:

- Easier to install than traditional grouts
- Durable and tested to industry standards
- Flexibility of a grout with the ease of use of a mechanical solution
- Resistant to dripping during stair installations
- Capable of being installed in 23° F (-5° C) environments
- Does not bond to the glass or metal shoe
- Easy handling for inclined applications





Hilti, Inc.
1-800-879-8000 | en español 1-800-879-5000

www.hilti.com