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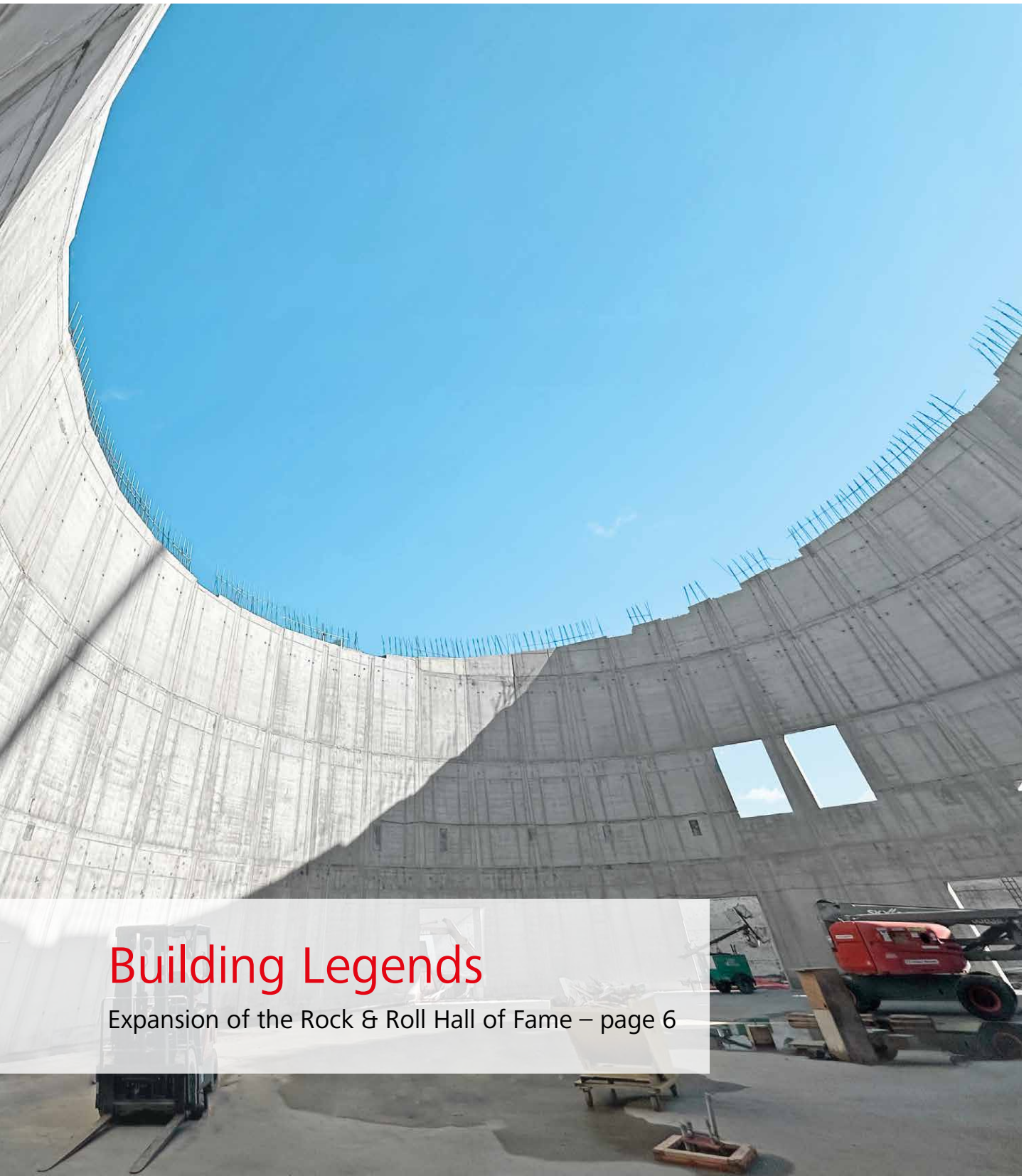
Professional Formwork News **VI/2025**



Building Legends

Expansion of the Rock & Roll Hall of Fame – page 6

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Imprint

Site photos show situations which do not always depict the final assembly of formwork with regard to safety regulations. Imprint: Edition VI/2025. Publisher: MEVA Schalungs-Systeme GmbH, Industriestr. 5, D-72221 Haiterbach. Layout: MEVA.

"We are already well prepared to face the current and future challenges on North American construction sites."

Florian F. Dingler,
Owner and Managing Director
of MEVA Schalungs-Systeme GmbH

Dear Readers,

The world is in a state of flux. Unfortunately, these are predominately turbulent times. Wars, hot spots, tensions, and trade disputes are shaking the political fabric. For companies that do business at an international level this means they need to be cautious, react flexibly, and – like our world – never stand still.

At MEVA, we are already well prepared to face the current and future challenges on North American construction sites. This is also reflected in the variety of projects you will learn about in this issue of our FormworkPress magazine. All our formwork systems and solutions impress with their safety, cost-effectiveness, high performance, and last but not least, their ease of use.

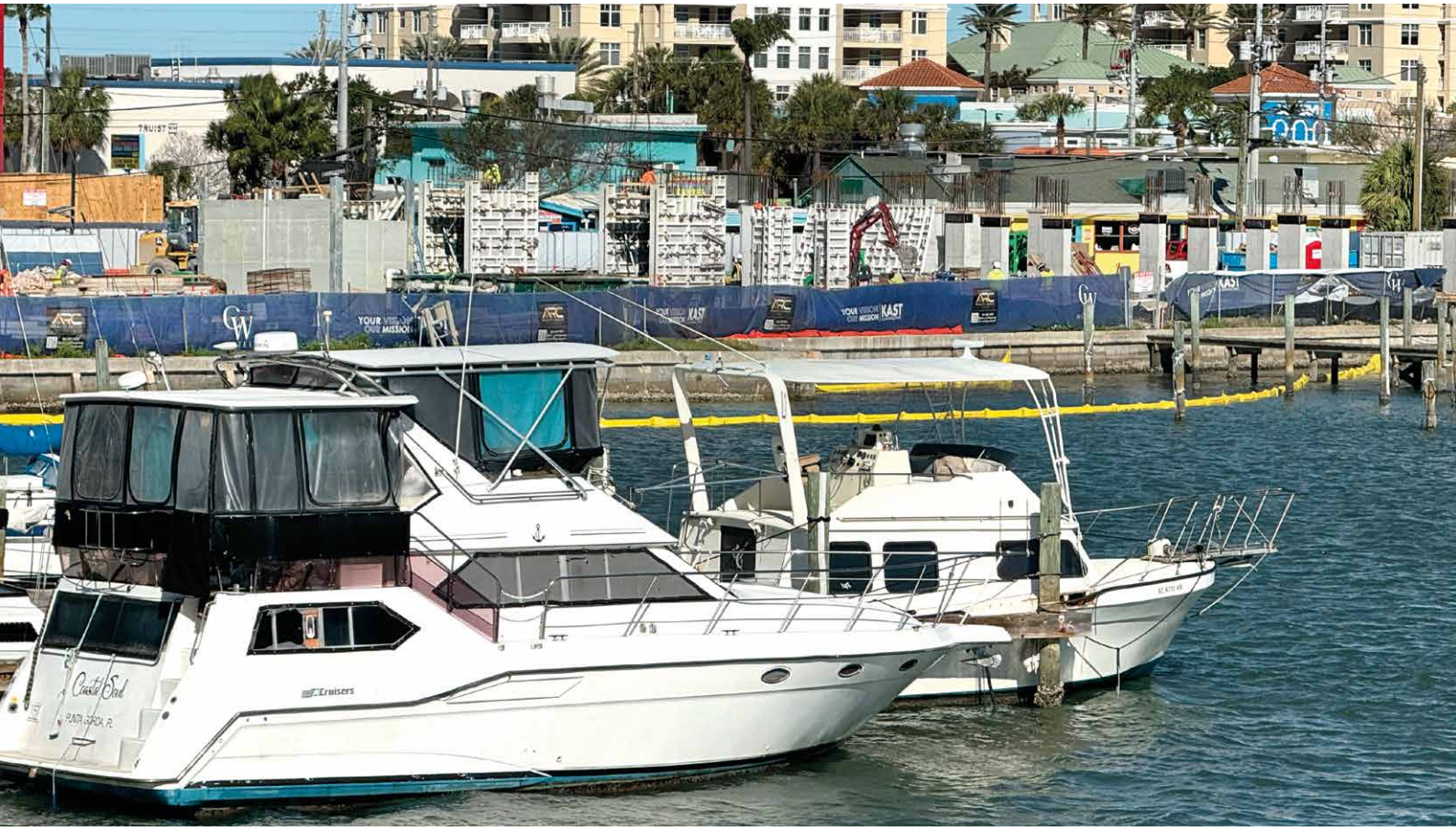
Simple, straightforward handling is one of the key factors for the successful conclusion of projects. An unusual example is described from page 13 onward: A young woman, who works as an engineering consultant for water resources management and doesn't have a lot of experience as a skilled craftsperson, dared to do something out of the ordinary. In her Caribbean homeland – she built her dream house herself using a formwork system developed by MEVA specifically for emerging regions in Latin America, for example. This much we can reveal: the ambitious project was an all-round success. That's what I consider a fantastic story.

MevaLite and Imperial, MEVA32 and KLK – these are names of MEVA products that have been specially developed for the requirements of the North American market and have contributed to the success of numerous projects in the USA. Examples of these can be found in this issue of FormworkPress (pages 4 to 11). They all have one thing in common: satisfied users who appreciate the strengths of our products.

And now back to the topic of agility: Simple decision-making processes, flexibility, and rapid implementation enable MEVA to develop optimally tailored technical solutions that provide long-term customer benefits through a high degree of economic efficiency, safety, and durability. This has been a key factor since the company was founded in 1970 and will remain so in future.

By the way, we wanted to celebrate our 50th anniversary in style in 2020. Unfortunately, this fell victim to the now almost forgotten COVID-19 pandemic. However, it's only a pleasure deferred. Read more about this on page 12.

I wish you a pleasant read.



Elevated Living by the Water

Formwork Solutions for CW Resort & Marina

Construction is officially underway on one of Clearwater Beach's most anticipated new developments: the CW Resort & Marina, a luxury eight-story condo hotel that blends upscale coastal living with world-class amenities.

Slated for completion in March 2026, this resort-style property promises to redefine waterfront living – and MEVA is proud to supply the formwork and engineering support that's helping bring this vision to life.

Located at 411 East Shore Drive, CW Resort & Marina will offer 91 fully furnished residences, including 11 penthouses. Condo owners will have the option to live in their units full-time or use them as rental properties, with full-service guest amenities. The development will also feature 45 marina boat slips, 37 of which are available for purchase.

→ **Additional resort offerings include:**

- Heated pool, hot tub, and private cabanas
- Restaurant and bar, fitness center, and concierge services
- Boat rentals, jet skis, charter boat access
- Valet parking and airport shuttles

Perfectly positioned on the north end of Clearwater Beach, Florida, residents and guests are within walking distance of the area's most popular shops, restaurants, entertainment, and the iconic pier.

B&M Concrete, the Tampa-based contractor leading the concrete work, partnered with MEVA to tackle the project's forming challenges. With a fast-paced schedule and premium architectural expectations, the team turned to MEVA systems to keep operations smooth and efficient.

Better and easier to use
MEVA's lightweight yet durable MevaLite panels were chosen for their versatility and gang-forming capability. The system's modular design enabled quick reconfiguration between pours, and according to the owner, "the finish achieved using MevaLite exceeded expectations."

"Your components are simply better and easier to use than others we've worked with," said Site Superintendent Joaquin Acuna, adding that MEVA's systems offered labor savings and enhanced jobsite performance.

MEVA's climbing system was effectively employed. The KLK platform system, combined with Flipper Beams, provided versatile and secure access for crews working on exterior walls and vertical elements.

With MEVA's reliable systems and B&M Concrete's seasoned field crew, the CW Resort & Marina project is on track to become a standout structure on the Gulf Coast. As the skyline of Clearwater Beach continues to grow, MEVA is proud to support projects that not only shape the landscape – but help define a lifestyle.

Project data

- **Project**
  - CW Resort & Marina Hotel, Clearwater Beach, FL
- **Contractor**
  - B&M Concrete LLC, Tampa, FL
- **MEVA systems**
  - MevaLite wall formwork
  - KLK platform system
- **Engineering and support**
  - MEVA Formwork Systems, Inc., Sebring, FL

Left: The construction site in an exposed location. Right: The B&M Concrete team with Superintendent Joaquin Acuna (center, white hard hat); Below: MevaLite and the KLK platform system in use.

Building Legends

MEVA's Formwork Innovation Takes Center Stage at the Rock & Roll Hall of Fame

The iconic Rock & Roll Hall of Fame in Cleveland, Ohio, is turning up the volume with a $135+ million lakefront expansion that will amplify its ability to connect fans, artists, and students with the heart of rock and roll. At the center of this monumental build is MEVA, proud to have partnered with Cleveland Cement Contractors to provide the formwork systems and engineering expertise for this uniquely complex structure.

The new addition to the Rock Hall will include event and performance spaces, education centers, and a new main public entryway with sweeping views of Lake Erie. Known for its eye-catching architecture, the expansion features an elliptical, cast-in-place concrete pavilion, with tilted wall segments sloped inward at 15 degrees to give the 50-ft. structure a dramatic, mountain-like form – an architectural nod to the power of rock and the natural landscape it reflects.

Colored self-consolidating concrete
Adding to the challenge, each wall segment included precise architectural reveals at every vertical and horizontal joint, with a colored self-consolidating concrete (SCC) mix for a striking, finished appearance of each 14-ft.-tall pour. MEVA's design team created an easy way to attach the work platforms and formwork supports for the upper pours by utilizing existing, pre-approved tie locations in the formwork. The inside shoring towers were engineered to support the vertical loads of the 'overhanging' concrete walls, including safe access to the upper work areas and sufficient support of the formwork. The project demanded exacting formwork symmetry, consistent tie patterns, and no additional anchor locations to support external formwork.

MEVA was involved early in the pre-construction phase, working alongside general contractor Albert M. Higley Co. and Cleveland Cement to evaluate the constructability of this unique structure. MEVA's design team engineered solutions that minimized costly custom formwork, while maximizing flexibility and safety.

Key Systems Used

→ **Imperial wall formwork**
The Imperial wall formwork allowed for a consistent tie pattern for all four vertical wall pours by utilizing the premanufactured tie locations in the system while still providing sufficient capacity for the use of the SCC mix. Almost no custom parts were required in the formwork setup. The job-built wooden transitions were prebuilt at Cleveland Cement's yard and reused four times at each level.

→ **KLK climbing system**
The KLK climbing system was used for supporting the outside formwork. The system provided a 7.5' wide work area for the installation and support (bracing) of the outside formwork. The outside formwork was installed first for control of all architectural features in the wall. The KLK offered the capacity to hold the tilted formwork in place. Only a custom bottom strut was introduced to allow the system to climb up the 15 tilted walls.

→ **MEVA32 shoring towers**
The MEVA32 shoring towers was selected for the support of vertical loads and creation of safe working access on the inside. The towers elevated towards the center as to not collide with each other. This resulted in a continuous work platform at every lift elevation.

→ **Triplex wall braces**
Each lift of walls was placed in four individual symmetrical pours. Until all pours were placed, the lower walls needed lateral support. The walls would self-support only after closing a complete ring of walls. Triplex wall braces offered the capacity and flexibility of easy length-adjustment per lift for this task.

We appreciate Cleveland Cement's trust in MEVA on this unique design and we look forward to assisting with many projects in the future.

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Project data

→ **Project**
- Rock & Roll Hall of Fame, pavilion expansion, Cleveland, OH

→ **Contractors**
- Albert M. Higley Co. (General Contractor)
- Cleveland Cement Contractors, Inc.

→ **MEVA systems**
- Imperial wall formwork
- Triplex wall braces
- MEVA32 shoring tower
- KLK climbing system

→ **Engineering and support**
- MEVA Formwork Systems, Inc., Springfield, OH

Forming the Future

New Residence Hall for the University of Northern Alabama

As enrollment grows at the University of Northern Alabama, so does the need for modern student housing. MEVA Formwork Systems is proud to support AIC Concrete Construction on the university's new 7-story residence hall in Florence, Alabama – bringing efficient, high-performance formwork solutions to a project that will house nearly 200 students.

The 54,000-sq.ft. facility will feature double-occupancy rooms with private bathrooms, community study spaces, a campus convenience store, laundry facilities, and even an ICC-500 rated storm shelter for added safety. A residence director's apartment within the complex ensures close connection between student life and campus leadership.

AIC Concrete, the contractor leading the foundation and vertical structure work, brought their client-first values and skilled craftsmanship to this high-profile university project. Known for delivering exceptional results on commercial foundations, slabs, and retaining walls – including for notable brands like Buc-ee's – AIC turned to MEVA to streamline the structural forming process.

To meet the demands of a multi-story concrete structure with a tight schedule and evolving floorplans, MEVA provided a combination of MevaLite formwork and MEVA32 shoring systems – both chosen for their strength, light weight, and labor efficiency.

Tall walls with fewer job-built fillers

Lightweight yet durable, the MevaLite system enabled crews to pour tall walls with fewer job-built fillers, reducing setup time and material waste. Its modular design simplified adjustments in the field, giving AIC the flexibility they needed as the project progressed.

"There is less requirement for job-built fillers when using MevaLite," said Keith Thompson, AIC Su-

perintendent. “It is light and strong, giving us the ability to do tall walls with ease.”

The MEVA32 shoring system offered strength comparable to heavier traditional shoring frames but with the added benefit of being significantly lighter. This made repositioning easier and faster-saving on both labor and time while ensuring structural safety during vertical construction.

Keith Thompson’s collaboration with MEVA underscores the importance of reliable equipment and engineering support on fast-paced institutional projects.

As the University of Northern Alabama prepares to welcome students into this new residence hall, MEVA is proud to have played a role in creating a structure built not just with concrete, but with care, precision, and purpose.

i

Project data

→ **Project**
- Residence Hall, University of Northern Alabama, Florence

→ **Contractors**
- AIC Concrete Construction

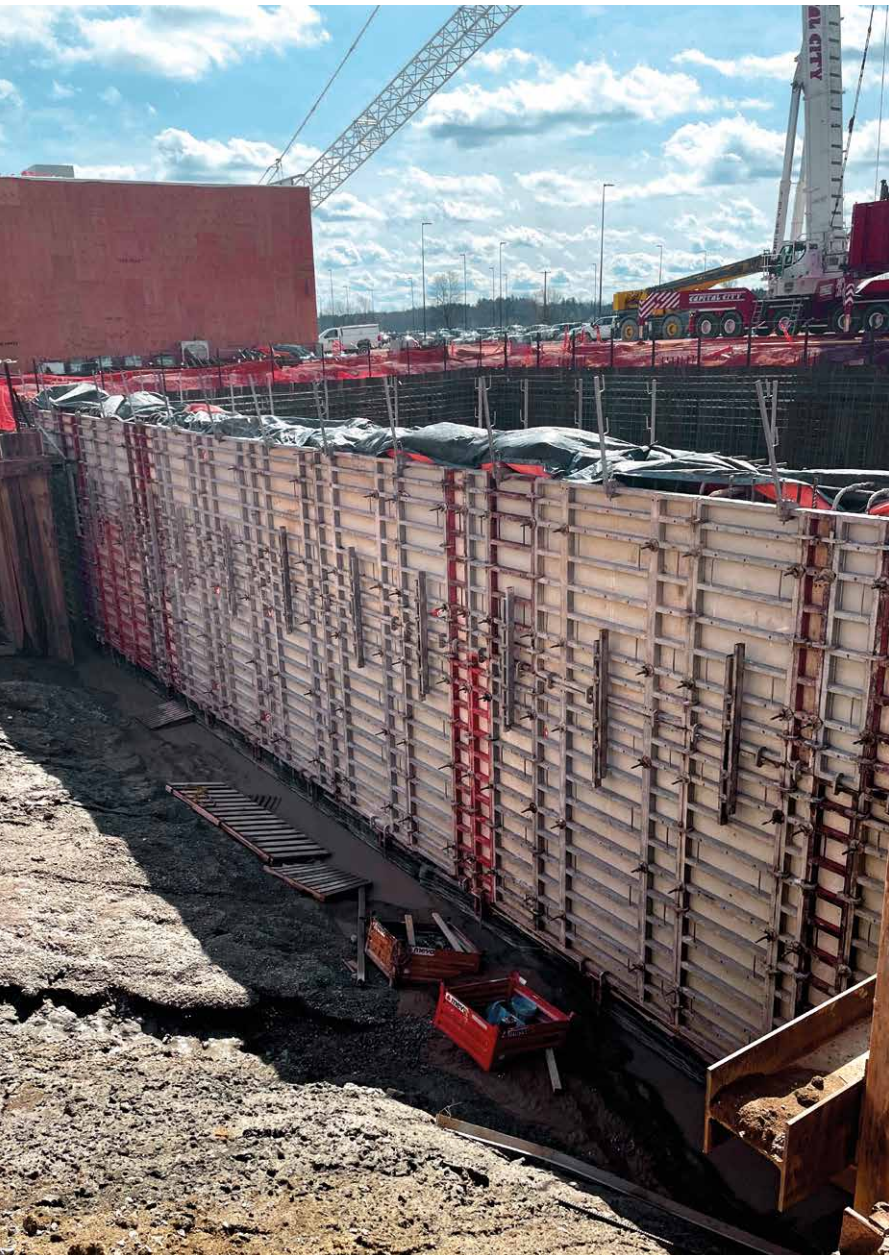
→ **MEVA systems**
- MevaLite wall formwork
- MEVA32 shoring system

→ **Engineering and support**
- MEVA Formwork Systems, Inc., Springfield, OH

Expansion of a World Class Facility

A Cornerstone of Michigan's Leadership in High-Tech Manufacturing

As the demand for clean energy and semiconductor chips surges globally, Hemlock Semiconductor Operations (HSC) is answering the call with a major expansion project in Thomas Township, Michigan. Backed by a $375 million investment, the development is expected to create 170 high-paying jobs and support the nation's strategic efforts to secure domestic semiconductor manufacturing.

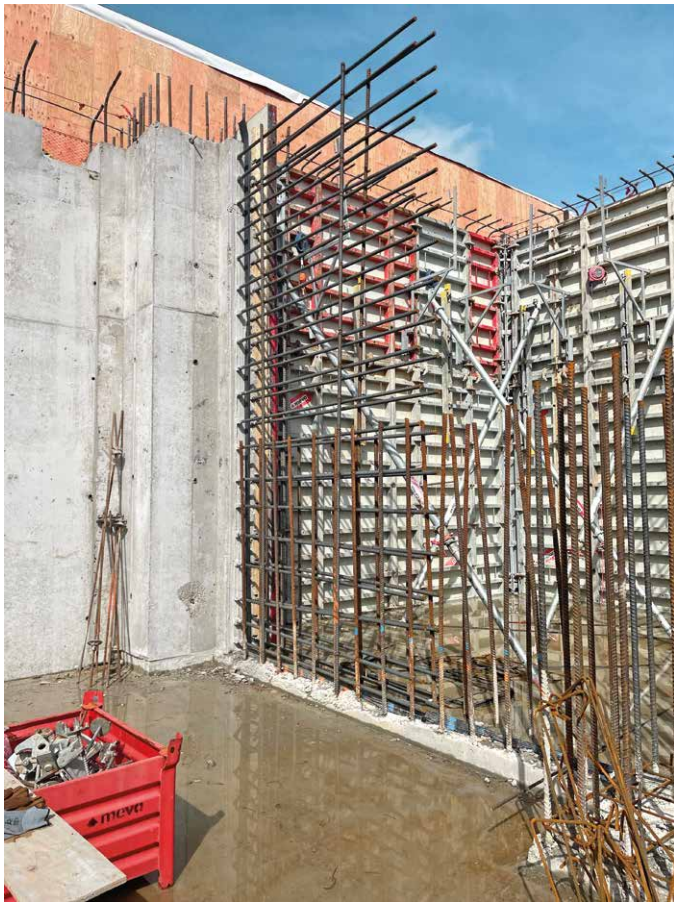


On-site, Fessler & Bowman is leading the concrete construction of the filter press building with the support of MEVA Formwork Systems, which supplied its Imperial wall formwork to tackle the site's technical and structural requirements. Known for its strength, versatility, and consistent tie patterns, MEVA's Imperial system enabled fast and efficient forming across complex walls and footings – critical for a high-tech project operating on a fast timeline.

"I've always appreciated how easy MEVA's Imperial formwork is to work with," said Chad Walker, Superintendent with Fessler & Bowman. "I'm familiar with the system, and it consistently delivers a clean, high-quality concrete finish."

Modernizing the manufacturing process

The expansion includes three new buildings and will modernize HSC's polysilicon manufacturing process – an essential component for semicon-



ductors and solar energy systems. As the largest U.S.-based producer of hyper-pure polysilicon, HSC plays a pivotal role in the global tech ecosystem, and MEVA is proud to contribute the forming solutions that support this world-class facility.

Beyond the site, the project's impact is massive: more than $364 million in new personal income is expected to be generated over 10 years, with positive ripple effects for local businesses, infrastructure upgrades, and regional redevelopment. Enabled by the CHIPS and Science Act, this project is a cornerstone of Michigan's leadership in high-tech manufacturing.

MEVA is grateful for the trust Fessler & Bowman has placed in our products and service. We're proud to play a part in shaping the foundation of America's semiconductor future.

Chad Walker (left), Superintendent with Fessler & Bowman, is convinced by the easy handling of the Imperial wall formwork system and with the good concrete results.

Project data

- **Project**
  - HSC site expansion, Thomas Township, MI, USA
- **Contractors**
  - Fessler & Bowman, Inc.
- **MEVA systems**
  - Imperial wall formwork
- **Engineering and support**
  - MEVA Formwork Systems, Inc., Springfield, OH

MEVA55 Sets the Tone

Communication with customers and targeted product development

With individual events under the title MEVA55, MEVA is focusing on close customer contacts and product presentations in 2025. "We are concentrating our resources on ensuring our quality and service in the long term and placing our focus on the development of innovative solutions that benefit our customers," explains Florian F. Dingler, MEVA's owner and managing director. "At a time when medium-sized companies like MEVA that operate at an international level are facing huge economic challenges and need to react flexibly to market developments, our focus lies on excellent products and the orientation towards fulfilling our customers' needs."

Bringing people together

The idea for MEVA55 came about five years ago. The festivities planned at that time for the company's 50th anniversary had to be cancelled because of the COVID-19 pandemic. The focus is now on the direct exchange of information and opinions with long-term partners, regular customers, and other interested parties during customer events – at the German headquarters in Haiterbach as well as at numerous other locations all over the world. The latest products, innovations, and clever developments such as the practical AluFix column panels are being presented in an exclusive setting.

Already celebrated in Hungary

The first events have already taken place. Like those in Hungary (photos above), where three open days in May drew a large number of guests to the new headquarters in Dunakeszi. Among other products, the new MEVA Engineering Kit was on display. At our German headquarters in Haiterbach a staff party will take place in July and then the main event, including a gala evening, will be held on September 20-21.

"We are convinced that even in times of changed market conditions and challenges the continuous exchange of information and opinions with our customers is still exceedingly important," Florian F. Dingler emphasizes. "We are making allowance for this through our MEVA55 event series." Because innovation, communication, and successful partnership are values that MEVA has stood for since 1970.

Nothing Beats Doing It Yourself

Jeanne-Rose René "simply made a start" on building herself a house on St. Lucia

Caribbean islands evoke images of turquoise waters, sun-drenched beaches, and picturesque landscapes. But for Dr. Jeanne-Rose René, engineer and managing director of a consulting firm for water resource management, the Caribbean is much more than a holiday destination – it is both home and inspiration. An expert in applied hydrology and flood forecasting, she lives and works in the German town of Kempten and travels across all continents to support authorities and organizations, and to moderate expert presentations. Yet, for a project close to her heart – construction of a self-designed dream house in St Lucia, where she was born and grew up – she took on an extraordinary challenge. "I actually had no intention of building the house myself at first. But it was difficult to find a really reliable and qualified contractor who also had the time. So I decided not only to design the home of my choice, but to roll up my sleeves and build it myself," says Jeanne-Rose René. Laying aside clients' concepts and calculations, she swapped her laptop, desk, and conference rooms for a hammer, saw, and laser distance meter and set off for St. Lucia to work on her own construction site. And this despite having had no previous training as a craftsperson. "Sadly," she says. She did have an affinity with the building sector after gaining a bachelor's degree in civil engineering. "But I lacked the practical knowledge. I had hardly ever held a

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drill in my hand. So I simply made a start and relied on my logical mindset and systematic, process-oriented approach to work."

Through an acquaintance who runs a construction company on St. Lucia, she was able to borrow some MEVA MonoWal formwork. She personally co-ordinated deliveries to the site, though she had insufficient formwork for monolithic concreting in a single cycle. The walls were cast in several cycles and, for the slab formwork, she was forced to use laminated plywood. The latter was a compromise solution as she had intended to avoid joints and the potential leakage points that resulted.

Casting the walls, on the other hand, ran smoothly. "Using MonoWal was easy from the word go. Whenever I needed technical support, I rang the MEVA team and they promptly answered all my questions and provided me with the necessary visuals. Assembly and dismantling doesn't require much technical know-how. The instructions fully sufficed. The formwork is lightweight and I was able to manoeuver and assemble the panels on my own." The first wall was poured in March 2024 and the structural shell completed in September. The result is more than respectable. "At the same time, some things could have been done better," notes the ambitious owner, in a self-critical assessment of the workmanship.

Dr. Jeanne-Rose René has christened her house "Belvedere", inspired by the Italian-French word for "beautiful view". With a 111 m² basement and 160 m² ground floor, it is idyllically set on a wooded slope on the Cape Moule-à-Chique hill in the village of Vieux Fort and commands vistas across the bay and sea. Dr. René gave high priority to designing a durable building with a minimum maintenance requirement. The envisaged dream home was to

feature aesthetic, minimalist architectural concrete in a warm, light-coloured tone. For this she ordered a consignment of white cement that was delivered from Turkey by ship. “The resulting concrete surface is very bright and handsome, with black particles from the admixtures showing through. I mostly achieved the desired fair-faced finish – except in isolated areas where the formwork joints were not properly closed or where the formwork was either insufficiently or over-generously oiled. There was unfortunately no suitable release agent available on the island and obtaining the right materials was a challenge.”

For the concreting operations, Dr. René needed the help of several workers, partly due to the difficulties caused by the terrain. Use of a boom pump was not feasible while a pipeline pump would have wasted too much concrete and not have been economical. So the only remaining option was a concrete chute. Around 15 concreting operations were necessary for the realization of the shell.

At least one worker was always with her on site for safety reasons, e. g. when climbing, and to help her carry heavy loads. “Unfortunately, my colleague didn’t have much confidence in me, as a woman,” says Dr. René, looking back, “and conflicts sometimes arose. Also because of my single-minded approach: I believe in doing things properly and questioned some of the procedures.” Her overall verdict is nonetheless wholly positive: “I have really enjoyed this work throughout. And to know that I’m doing it all for myself has constantly spurred me on.”

The structural shell was complete after six months. In November 2024, some friends from Germany helped to install the windows and doors. The focus now is on the interior fit-out.

You can rely on us wherever you are.

With 40 offices on 5 continents, we are on the spot wherever you need us.

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