ABATEMENT TECHNOLOGIES
LEADERS IN CLEAN AIR

HOW ABATEMENT TECHNOLOGIES HELPED SEGARS GROUP PROTECT PATIENTS DURING WELLSTAR KENNESTONE HOSPITAL PICU BUILD

A CASE STUDY

THE BACKGROUND

Since 1999 Segars Group has specialized in healthcare and commercial construction and renovation. Based in Alpharetta, Georgia, Segars Group is dedicated to jobsite cleanliness and safety, serving clients throughout Metro Atlanta and North Georgia.

Today, Segars Group has cultivated partnerships with some of the largest health systems in Georgia and has successfully delivered on several complex, integrated, and innovative projects

THE CHALLENGE

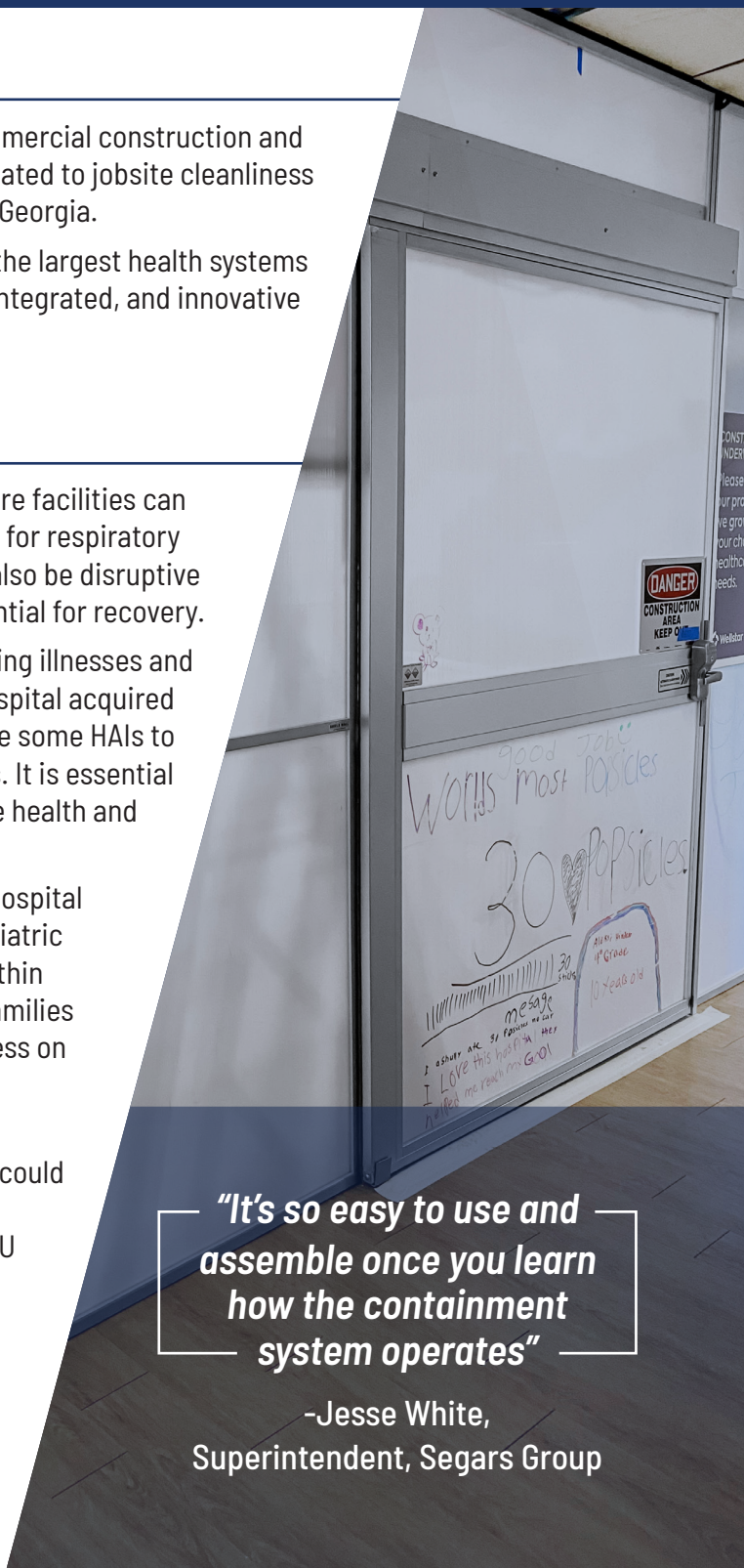
Dust and debris during construction projects in active healthcare facilities can negatively impact air quality and put vulnerable patients at risk for respiratory distress. Excess noise and vibrations during construction can also be disruptive to patients and prevent them from getting the rest that is essential for recovery.

Scientists have made rapid progress in identifying and preventing illnesses and understanding how bacteria and viral infections spread, but hospital acquired infections (HAIs) are still a prominent concern. Experts attribute some HAIs to construction-related dust and associated airborne particulates. It is essential that contractors take steps to mitigate this risk and protect the health and safety of patients, staff, and visitors.

Segars Group took on a major project at WellStar Kennestone Hospital in Marietta, Georgia, when they were tasked with building a pediatric intensive care unit (PICU) — a brand new inpatient care wing within the facility. Before the opening of WellStar Kennstone's PICU, families had to travel to receive intensive care, adding unnecessary stress on parents and patients.

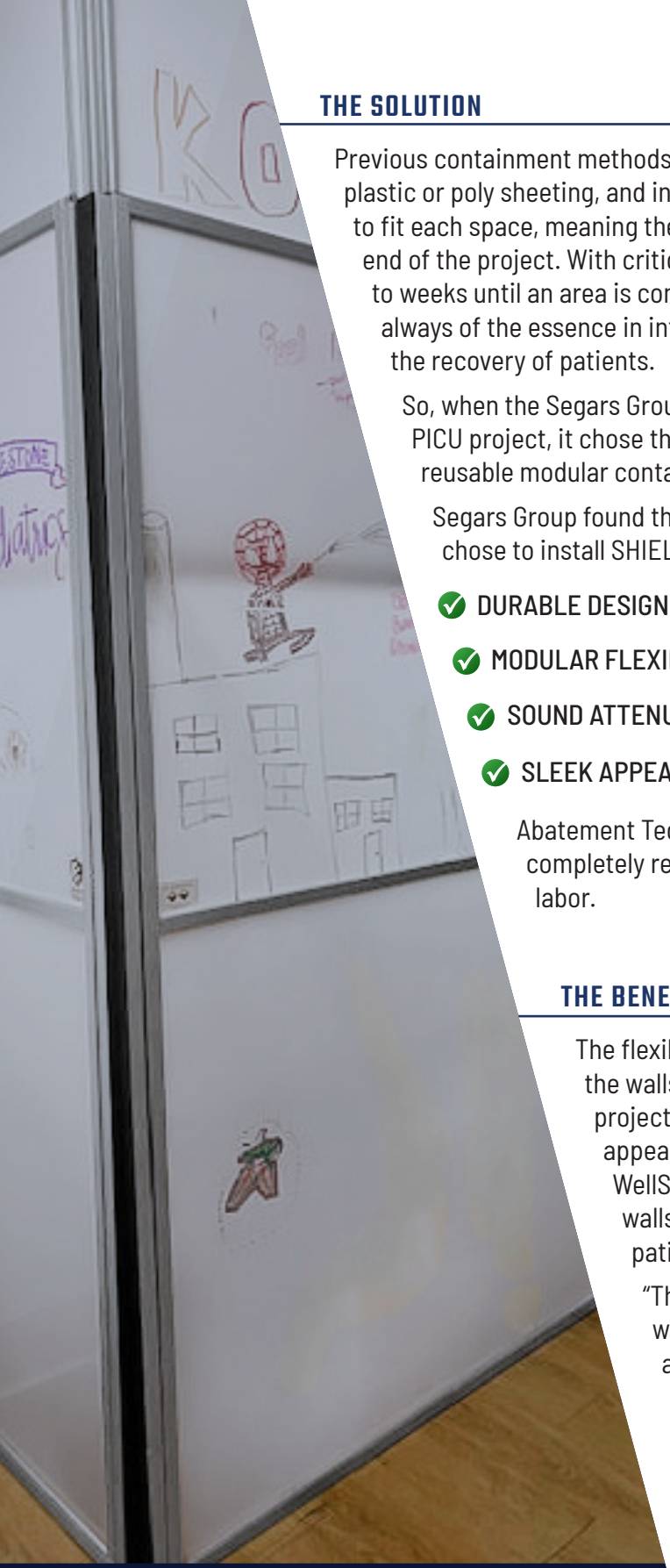
Segars Group needed to divide the existing wing to contain the construction area from patient rooms before any construction could begin on the new unit. The contractor searched for an efficient containment solution to get the project moving quickly and PICU operations running as soon as possible.

Segars Group
General Contractors



"It's so easy to use and assemble once you learn how the containment system operates"

-Jesse White,
Superintendent, Segars Group



THE SOLUTION

Previous containment methods have employed single-use materials such as lumber, drywall, plastic or poly sheeting, and insulation. Both lumber and drywall often require custom cuts to fit each space, meaning these materials are difficult to reuse and become waste at the end of the project. With critical time frames to begin and end projects, having to wait days to weeks until an area is contained can cause delays and missed deadlines. And, time is always of the essence in intensive care units and providing the best care is essential to the recovery of patients.

So, when the Segars Group evaluated containment systems for the WellStar Kennestone PICU project, it chose the quickest, most reliable, and sensible option - temporary reusable modular containment walls.

Segars Group found the ideal solution from Abatement Technologies®. The company chose to install SHIELD WALL™ modular containment system for its:

- **DURABLE DESIGN** for years of repeated use
- **MODULAR FLEXIBILITY** to adjust to changing construction needs
- **SOUND ATTENUATION** to help lower noise and disruptions within patient areas
- **SLEEK APPEARANCE** that seamlessly blends into healthcare settings

Abatement Technologies' SHIELD WALL™ modular containment systems are completely reusable and are easily and quickly assembled with minimal labor.

THE BENEFITS

The flexibility of SHIELD WALL™ allowed Segars Group to easily modify the walls to expand and encompass additional areas of the unit as the project progressed. While SHIELD WALL™ has a sleek, professional appearance designed to seamlessly blend into many environments, WellStar Kennestone Hospital staff decided they didn't want the walls to blend in and used the walls to showcase artwork from patients in the PICU.

"The nursing staff asked if the kids could come and draw on the walls. We initially thought about hanging whiteboards on them, and then realized the material is compatible with dry erase markers. It ended up being an unexpected advantage. Beyond keeping everyone safe, the walls have brought much needed joy to our patients throughout the project," said Jesse White, Superintendent, Segars Group.

Segars Group now utilizes SHIELD WALL™ as a standard containment procedure for its projects.

"Because the panels are easy to assemble, my team just needs to watch a training video. We'll go in and mark the areas, and they can pretty much just take it from there. It's so easy to use and assemble once you learn how the containment system operates," White concluded.

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