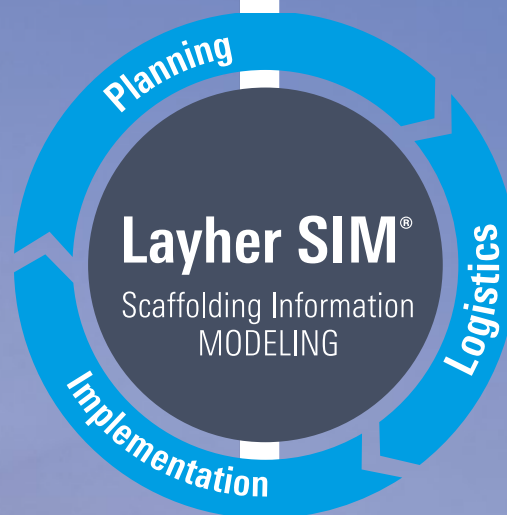


# OIL, GAS & CHEMICAL

## Reduced Shutdown Methodology



**Layher®** 

More Possibilities. The Scaffolding System.

# THE REAL COST OF SCAFFOLDING



The Scaffold:  
What you PAY FOR

\$  
Expense

Your scaffold partner  
is mission critical for any  
shutdown time project

Incentivize safety, productivity and shutdown time reduction

## PLANT STANDSTILL: The COSTS of Scaffold

100% accuracy and  
bolt-free erecting



Build temporary  
enclosures

### Key Success Factors

- Safety - Safety - Safety
- Access to scaffold innovations
- Collaboration versus siloed approach
- Scaffold adaptability versus custom build
- Digital pre-planning of project

## Case Study

Time spent erecting heavy,  
bolted, minimally planned  
scaffolding systems

9 HOURS  
for  
8 CONTRACTORS

=  
\$10,500

Time spent erecting  
lightweight, preplanned,  
bolt-free, scaffolding system  
using Layher SIM

3 HOURS  
for  
8 CONTRACTORS

=  
\$3,500



# OIL, GAS AND CHEMICAL

## The Layher Advantage | German Made and Manufactured

The Layher Allround scaffolding system is engineered for maximum safety and rapid assembly. adaptability for minimum of custom build. A safer and faster build means reduced shutdown time. With its additional components, such as comfort stairs, it also enhanced the safety and productivity of the trades that use them. Layher SIM offers digital planning to optimize your shutdown project.



### Layher Lightweight Scaffold

Up to 10% lighter than conventional scaffold.



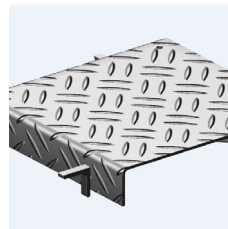
### Access Systems

Layher aluminum platform stairs for fast and safer access! Increase productivity of scaffold users and trades.



### Precision, Original Layher Scaffolding

8 connections possible with unmatched flexibility. 100% fit accuracy, and fast bolt-free erecting.



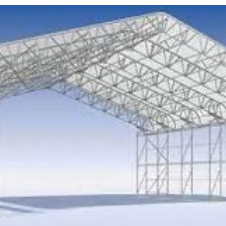
### Fire Safety & Productivity

Over 4000 components in steel – reduce the need for custom build and use of wood products



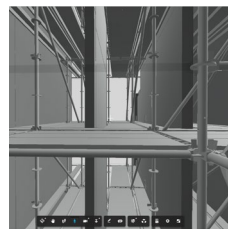
### Temporary Enclosures

Build temporary enclosures for blasting, repairing, storage, and weather protection



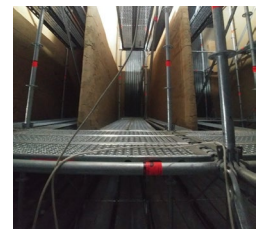
### Kedar XL Roof

Finish your project under any weather condition with Kedar XL Roof



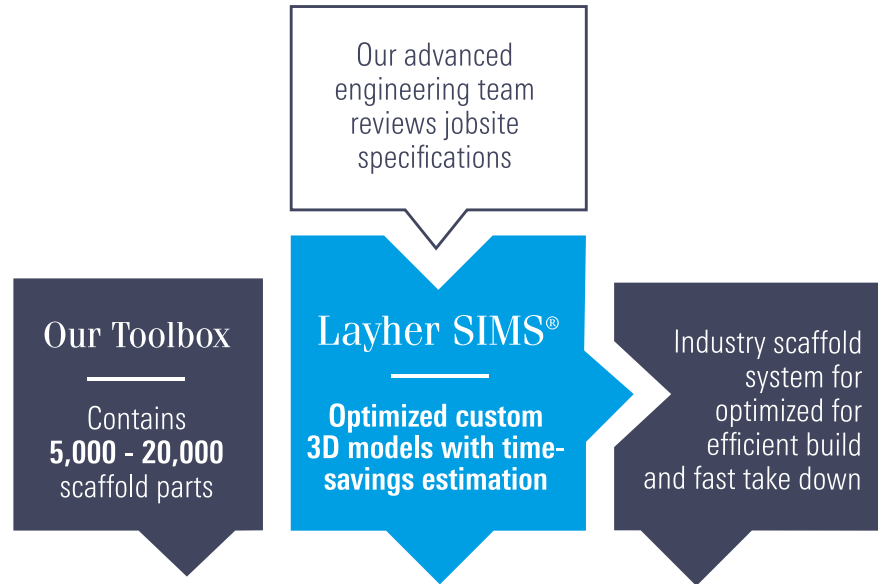
### Layher SIM®

From digital planning to realization



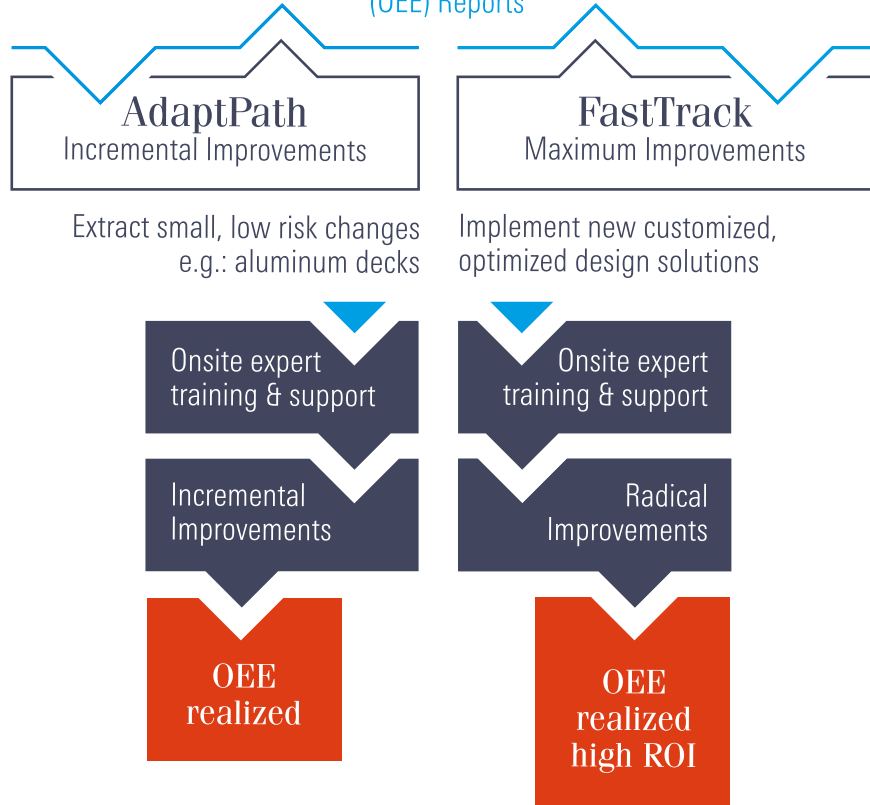
# THE LAYHER ADVANTAGE

End-to-End Proven Methodology **for Reduced Shutdown Time**



## Improved Overall Equipment Effectiveness

(OEE) Reports



# SERVICES

## Scaffold Engineering Scaffold Support Training

### Product Design

Layher's extensive knowledge and experience continues to bridge the practical and the visionary in a commitment to design and produce evermore effective, safe and productive products that build on the value and functionality of Layher's existing product family. In day-to-day uses or in difficult and unprecedented applications, Layher scaffold products prove their quality, intelligence and versatility—and get the job done well and safely.

### Layher Software Solutions

Time and materials are the crucial factors in scaffolding construction. To help Layher customers use both as effectively as possible, Layher has developed practical and easy to use software programs for scaffolding planning that offer a high degree of commercial and technical planning reliability, optimized use of material capacities and full cost transparency at every point of a project.

### Training

Layher takes a keen interest to ensure that customers have a sound appreciation of how to assemble and dismantle Layher products both safely and efficiently. To this end, Layher conducts client-specific product familiarization training. The principal focus of attention is always on the client's site leadership team. The product-specific education provided by Layher is imparted by personnel who have the combination of a wealth of practical site experience and a detailed understanding of Layher's products.

Layher offers a number of training programs on all product groups from SpeedyScaf to Allround Scaffolding, protective systems to rolling towers.

There are three separate programs designed to familiarize you with Layher scaffolding products and their many uses.

#### Basic Scaffolder

- Legal requirements, regulation and awareness
- Material
- Facade
- Tower - understanding
- Anchoring and stabilizing ,diagonal and bracing

#### Advanced Scaffolder

- Legal requirements, regulation and responsibility
- Classification - loads, measurements - calculation
- Safer erection
- Facade, Tower - consoles, accesses, corners
- Anchoring, foundation - awareness, values

#### Expert Scaffolder

- Legal requirements - erection plan
- Special scaffolding (circular, shoring, cutouts)
- Lattice girder, changing pattern
- Technical brochures usage - short calculation

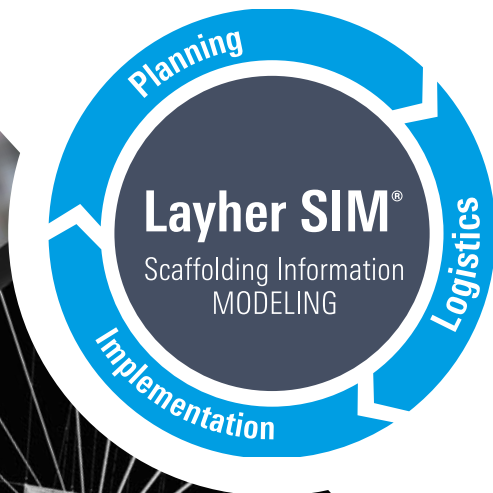




# THE FUTURE OF SCAFFOLDING

## in the oil & gas/refinery industry is digital—and it's name is SIM

SIM or Scaffolding Information Modeling is a scaffolding design process based on 3D models. At Layher, we use it to meet the precise requirements of industrial scaffolding, including those used in Oil, Gas and Chemical industries. SIM helps us to plan, assemble, and strategically manage temporary scaffolding structures in the most efficient ways possible.



### SIM allows you to:

- Plan your scaffolding in detail before it is being built
- Strategize and schedule your project with certainty and confidence
- Increase the safety and profitability of your project
- Provide transparency and cost control for its lifespan
- Budget, schedule, simulate the construction processes and conduct feasibility studies
- Assist in implementation, including assembly, approval, use, modification, and dismantling of any scaffolding project within a oil & gas refinery
- Verify structural loads

**Our mission is to develop  
& produce the best  
scaffolding systems  
in the world.**

# DISTRIBUTION LOCATIONS

## U.S. LOCATIONS

### CENTRAL & WEST REGION

8225 Hansen Road  
Houston, TX 77075  
tel: 866.300.0904  
fax: 713.947.1441

### NORTHEAST REGION

7014 East Baltimore Street  
Baltimore, MD 21224  
tel: 443.530.3922  
fax: 443.630.3174

### SOUTH REGION

8495 Moffett Road  
Semmes, AL 36575  
tel: 251.649.7696  
fax: 251.649.7793

### SOUTHEAST REGION

1805 SW 37th Avenue  
Ocala, FL 34474  
tel: 352.286.3087  
fax: 407.386.8112

Boston Sales Office  
tel: 508-333 3177

## CANADIAN LOCATIONS

### WEST REGION

6207 39th Street  
Leduc, AB T9E 0Z3  
tel: 866.300.0904  
tel: 780.986.9633

### EAST REGION

110 Rutherford Rd S  
Brampton, ON L6W 3J5  
Tel: 866.300.0904  
Tel: 905.455.2424



**IN  
STOCK**  
**5,000 - 20,000**  
**scaffold parts**





# WORLDWIDE

**For more than 77 years**, Layher Worldwide – has been recognized globally for stability, performance, quality and safety in modular scaffolding systems. Our capacity to deliver complete solutions has made Layher a valued partner to customers all over the world, helped them expand into new fields of business and tap new sources of revenue.

We are at the forefront of the scaffolding industry, engineering scaffolding innovation in modular scaffolding systems and helping customers around the globe succeed in this challenging and fast-evolving industry.

**Headquartered in Germany, Layher serves a broad spectrum of industries across the globe with a presence in 38 industrial countries.**

Argentina  
Australia  
Austria  
Belgium  
Brazil  
Bulgaria  
Canada  
Chile  
Columbia  
Denmark

Ecuador  
France  
Germany  
Greece  
Hungary  
India  
Italy  
Kazakhstan  
Lithuania  
Mexico

Morocco  
Netherlands  
New Zealand  
Norway  
Peru  
Poland  
Romania  
Serbia  
Singapore  
South Africa

Spain  
Sweden  
Switzerland  
Turkey

United Arab  
Emirates  
U.K.  
United States

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