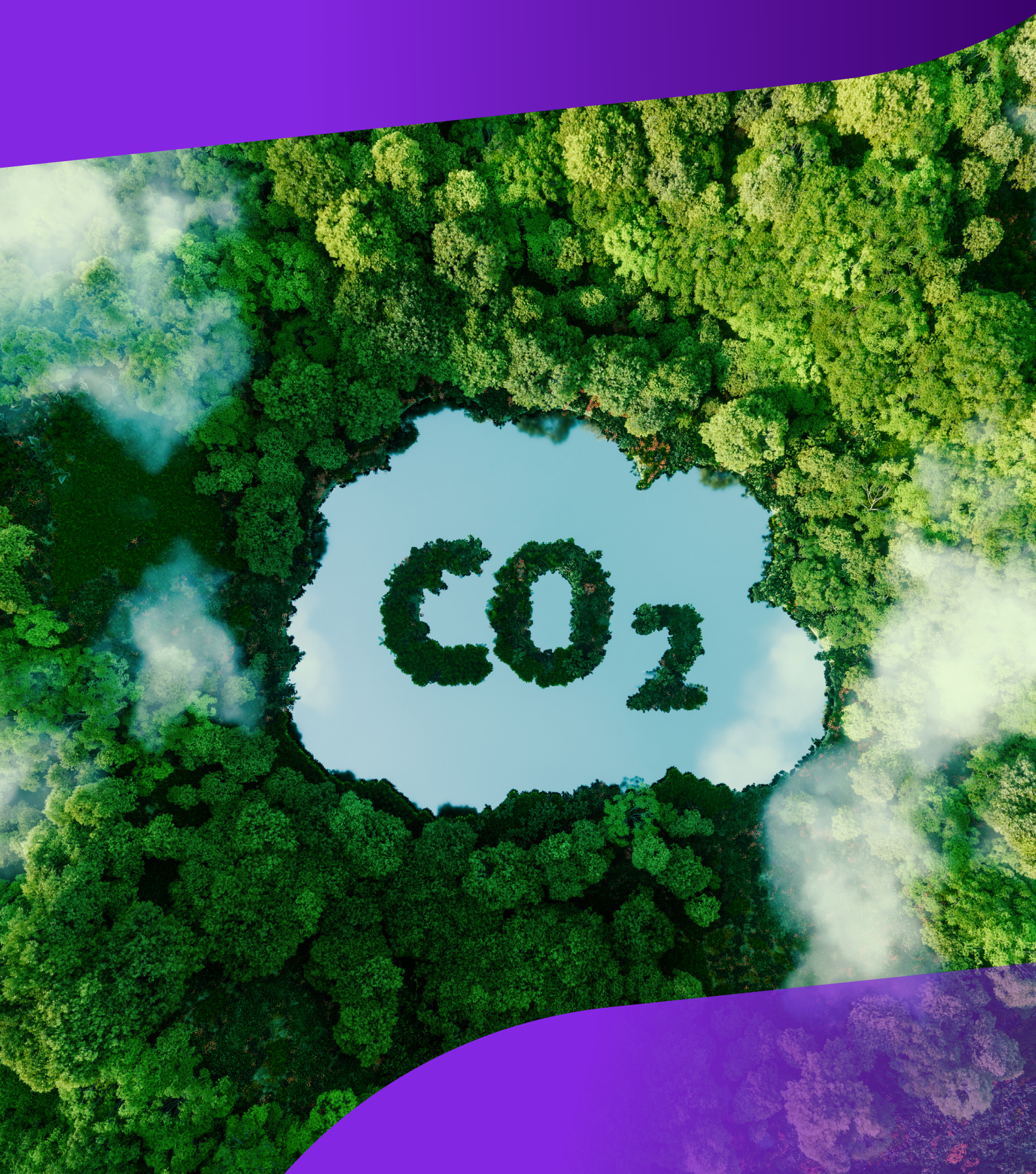


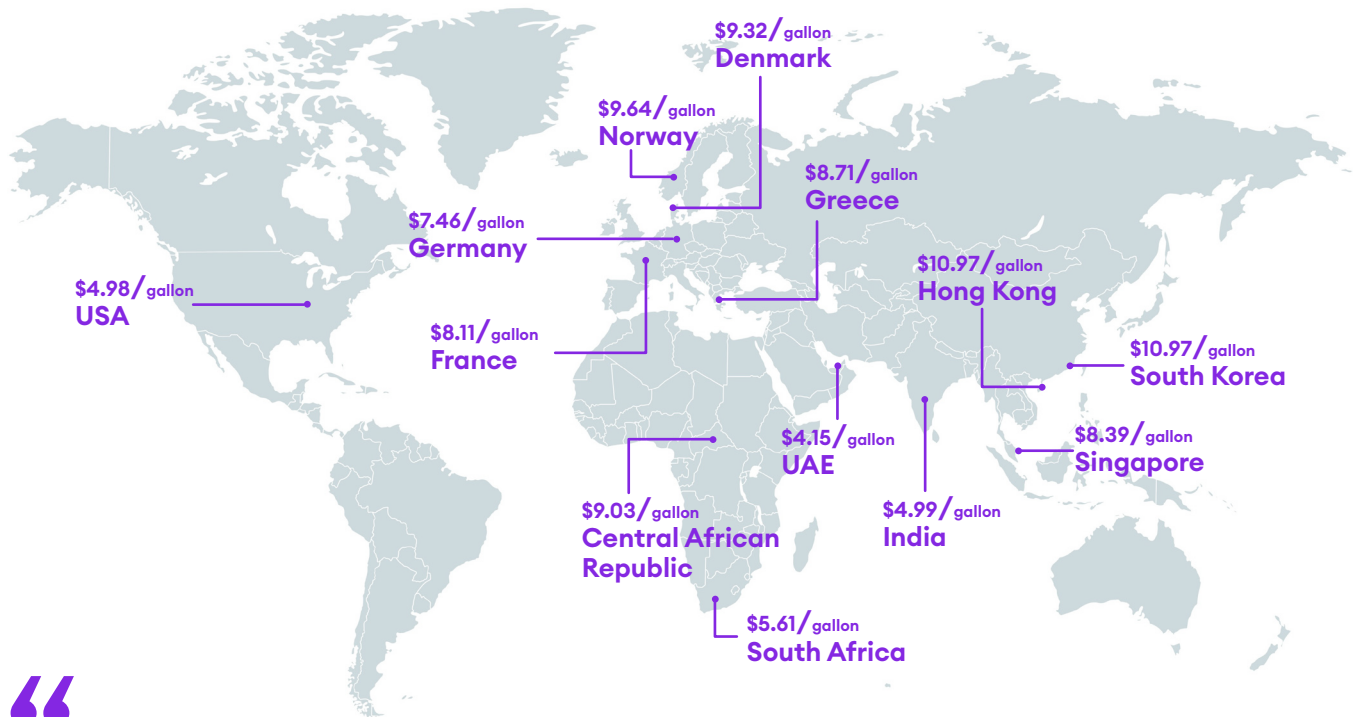
Reduce your fuel costs  
and carbon footprint



**With global gasoline prices reaching all-time highs and a climate emergency looming on the horizon, there has never been a more critical time to get your field workforce in order.**

Reduce your organization's fuel costs and carbon footprint—plus make the most of scarce field service workers—all with the industry's leading scheduling optimization engine from IFS.

# Global gasoline prices are surging



In the US, gasoline prices in May 2022 were the highest that the nation has ever seen. And around the world, the pain at the pump is getting worse. European gasoline prices are about 10 times higher than their average level over the past decade.

Doing more with less is even more important these days, especially with gasoline prices surging to all-time highs. Gasoline prices had already risen dramatically as economies around the world recovered from pandemic shutdowns. Shuttered refineries and the war in Ukraine have limited international supplies further, pushing prices even higher. With fuel costs continuing to be volatile, many industries have started cutting jobs and scaling back production amid soaring energy costs.

## You can achieve significant cost-savings while reducing your carbon footprint by minimizing technician mileage

IFS' workforce planning and scheduling optimization solution provides dramatic benefits from day one, with many companies reducing their average technician travel time between 35% - 50%. And the cost-savings and other critical benefits, such as optimizing scarce skilled workers, reducing burnout of your existing field service engineers, and reducing your carbon footprint, only get better over time thanks to embedded machine learning.

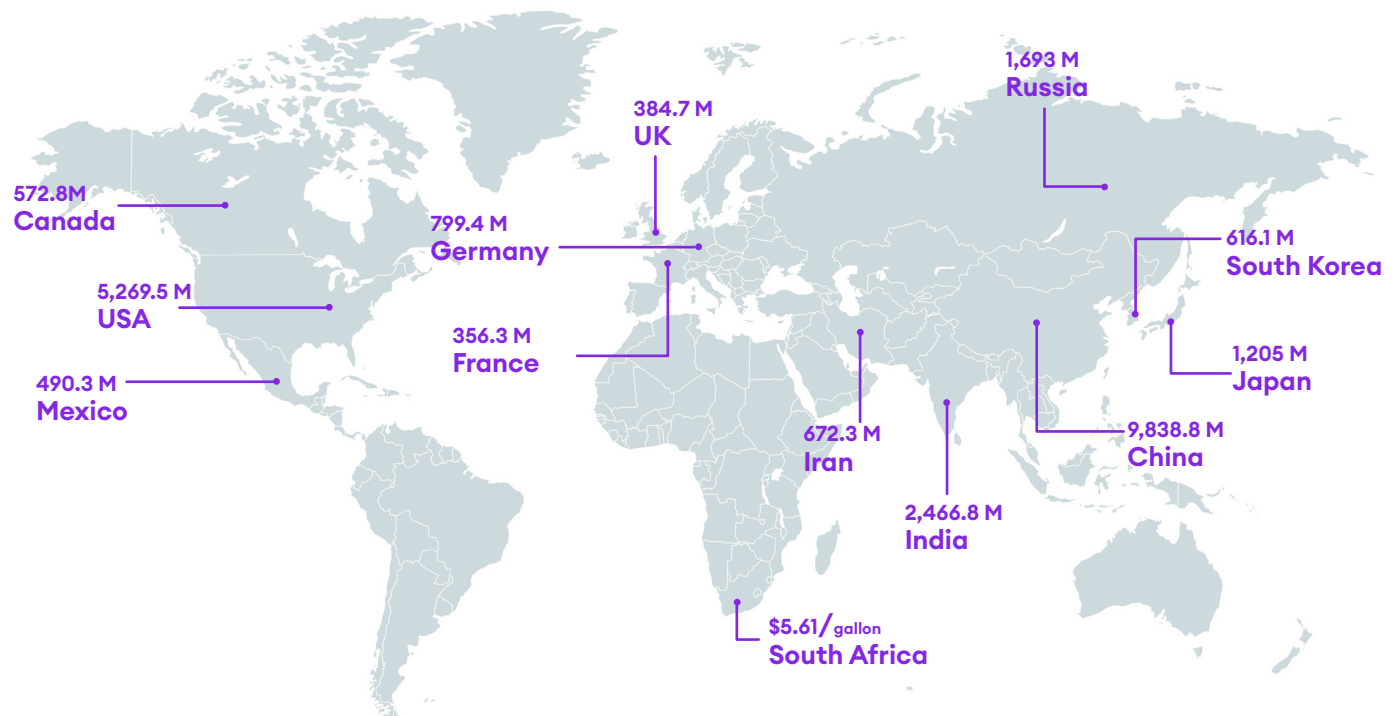
True next-gen machine learning within our optimization engine continually improves the accuracy of job durations, planning and scheduling, and then self-learns how long each technician takes to perform various activities. This creates a fingerprint for each field service engineer and enables the system to match the best engineer to each specific job.

## Transportation is now the world's biggest producer of harmful greenhouse gases

In 2017, transportation surpassed emissions from electricity generation and industrial plants to become the top source of harmful, planet-heating greenhouse gases. In one year alone, the majority of vehicles driven in the United States (which is the world's second largest emitter of CO<sub>2</sub>) produce 1,098 million metric tons of carbon dioxide equivalents, or about one-fifth of the nation's total carbon dioxide emissions.



## CO<sub>2</sub> emissions from fossil fuels in millions of metric tons

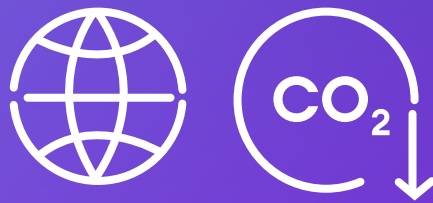


Despite efforts by some countries to reduce carbon dioxide emissions, use of fossil fuels is still the largest contributor to global warming.

### The road to net-zero

But the world is finally getting wiser. In 2021, one in five of the 2,000 largest publicly listed companies worldwide committed to a “net-zero” emissions plan by 2050 to help tackle global climate change. That means collectively our planet needs to reduce annual emissions from the current 57 gigatons of CO<sub>2</sub> to zero in a few short decades.

# The “Net-Zero” Challenge: It’s Time to Take Action

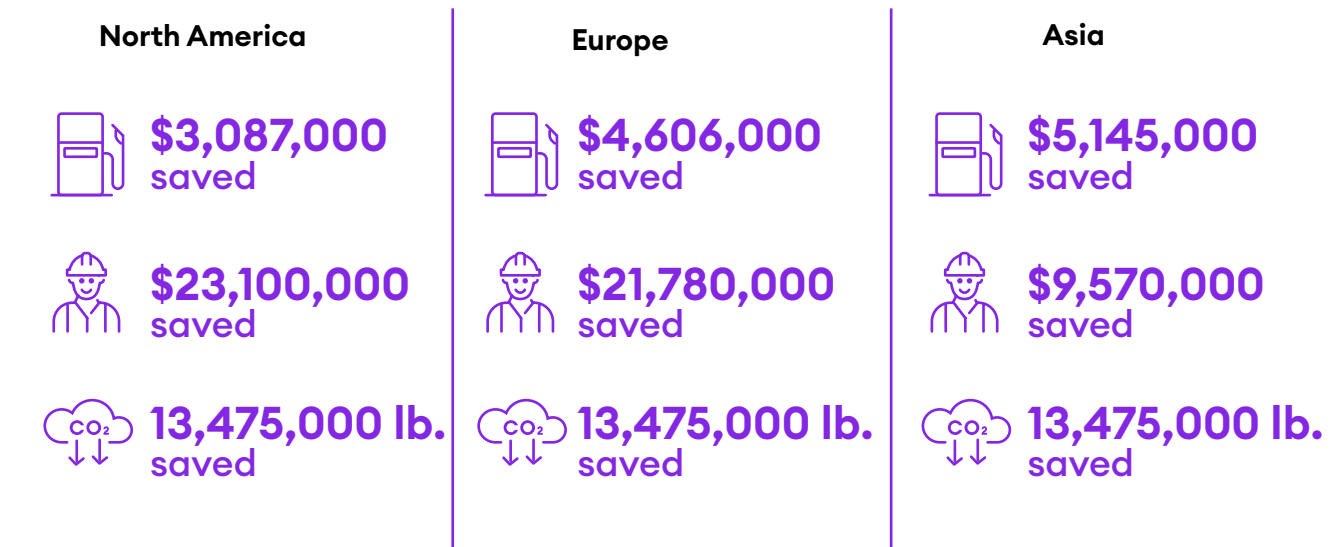


**57 gigatons to zero**  
**By 2050**

**Now is the time to help prevent the climate  
emergency by reducing your fleets’  
annual travel time.**

Let us walk you through some practical examples using ROI metrics from IFS workforce planning and scheduling optimization customers. First, we will consider the average costs of field service operations prior to real-time optimization in each major region. Second, we will review your potential benefits, in terms of fuel and labor cost-savings as well as carbon dioxide emissions reduction.

# IFS scheduling optimization saves companies real money across the globe



## North America

### Before IFS Planning and Scheduling Optimization

- You have 1,000 technicians at an average annual cost of \$70,000 per tech = yearly salary bill of \$70 Million
- If your technicians complete 3 jobs/day at 260 working days a year = you complete 780,000 jobs a year
- If each job is on average 18 miles apart, then each technician is traveling 54 miles/day = your service team travels approx. 14 million miles a year
- With US gasoline prices at approx. \$5.00/gallon, and medium-size service trucks getting 8 miles/gallon, your average fuel cost is \$.63/mile = your fleet's annual fuel cost is \$8,820,000

- Every gallon of gasoline releases 22 pounds of CO2 emissions into the atmosphere, and your company uses 1,750,000 gallons/year, producing 38,500,000 pounds per year

### After IFS Planning and Scheduling Optimization

- 35% reduction in travel time = reduces your team's total annual travel to 9,100,000 miles, equaling a fuel cost savings of \$3,087,000
- 33% improvement in technician productivity = annual labor cost-savings of \$23,100,000
- Total annual cost savings = \$26,187,000
- Annual carbon emissions reduction = 13,475,000 pounds

## Europe

### Before IFS Planning and Scheduling Optimization

- You have 1,000 technicians at an average annual cost of \$66,000 per tech = yearly salary bill of \$66,000,000
- If your technicians complete 3 jobs/day at 260 working days a year = you complete 780,000 jobs a year
- If each job is on average 18 miles apart, then each technician is traveling 54 miles/day = your service team travels approx. 14 million miles a year
- With European gasoline prices at an average of \$7.50/gallon, and medium-size service trucks getting 8 miles/gallon, your average fuel cost is \$.94/mile = your fleet's annual fuel cost is \$13,160,000

### After IFS Planning and Scheduling Optimization

- 35% reduction in travel time = reduces your team's total annual travel to 9,100,000 miles, equaling a fuel cost savings of \$4,606,000
- 33% improvement in technician productivity = annual labor cost-savings of \$21,780,000
- Annual carbon emissions reduction = 13,475,000 pounds

## Asia

### Before IFS Planning and Scheduling Optimization

- You have 1,000 technicians at an average annual cost of \$29,000 per tech = yearly salary bill of \$29,000,000
- If your technicians complete 3 jobs/day at 260 working days a year = you complete 780,000 jobs a year
- If each job is on average 18 miles apart, then each technician is traveling 54 miles/day = your service team travels approx. 14 million miles a year
- With Asia gasoline prices at an average of \$8.39 /gallon, and medium-size service trucks getting 8 miles/gallon, your average fuel cost is \$1.05/mile = your fleet's annual fuel cost is \$14,700,000

### After IFS Planning and Scheduling Optimization

- 35% reduction in travel time = reduces your team's total annual travel to 9,100,000 miles, equaling a fuel cost savings of \$5,145,000
- 33% improvement in technician productivity = annual labor cost-savings of \$9,570,000
- Annual carbon emissions reduction = 13,475,000 pounds

NOTE: All figures in USD



# Need More Proof?

## IFS Scheduling Optimization Customer Results Across Industries

### CoolSys

A US-based HVAC/R services parent company with marquee customers like Amazon, Target, Starbucks and Walmart reduced average technician travel time by 35%

### Mitie

The UK's leading facilities management company reduced subcontractor spend by 49% while increasing work order volumes by 73%

### A global manufacturer

Increased technician productivity from 6 to 8 jobs per day and reduced travel time by 50%

### A global elevator brand

Reduced travel time by 30% and were able to redeploy 25% of their workforce



# Ready to save some green while going greener?

Let us help you calculate your potential cost  
and CO<sub>2</sub> emissions savings by visiting:

<https://info.ifs.com/optimalscheduling.html>



NET  
ZERO

The image features a hand holding a glowing, circular badge with the text 'NET ZERO' and a leaf icon. The badge is surrounded by various sustainability icons, including a factory, a recycling symbol, a cloud with 'Co<sub>2</sub>' and arrows, a sun, a water drop, a leaf, a globe, and a plug. The background is a blurred green field.

## About IFS

IFS develops and delivers cloud enterprise software for companies around the world who manufacture and distribute goods, build and maintain assets, and manage service-focused operations. Within our single platform, our industry specific products are innately connected to a single data model and use embedded digital innovation so that our customers can be their best when it really matters to their customers – at the Moment of Service™.

The industry expertise of our people and of our growing ecosystem, together with a commitment to deliver value at every single step, has made IFS a recognized leader and the most recommended supplier in our sector. Our global team of 5,000 employees every day live our values of agility, trustworthiness and collaboration in how we support thousands of customers.

Learn more about how our enterprise software solutions can help your business today at [ifs.com](https://ifs.com).

**#MomentOfService**