



BMW MOTORRAD
MOTORSPORT



FIM ENDURANCE WORLD CHAMPIONSHIP. SEASON GUIDE 2023.

FOREWORD.

DR. MARKUS SCHRAMM, HEAD OF BMW MOTORRAD.

Dear media representatives, dear colleagues, dear friends of motorcycle racing,

This year, we are celebrating the 100th anniversary of BMW Motorrad, and BMW motorcycles have enjoyed success from the very beginning, passing a range of endurance tests in motor racing. Since the mid-1920s, BMW works riders have recorded impressive successes at International Six Day Trials, underlining the robustness, staying power and performance of BMW motorcycles. We now face these challenges in endurance racing, and since the 2019/20 season we have been competing as a works team in the FIM Endurance World Championship, with the BMW Motorrad World Endurance Team. This season, we are aiming to use the new #37 BMW M 1000 RR to build on the Werner Daemen's team achievements of the first two years – performances topped off by claiming the runners-up title in the 2021 World Championship and with a fantastic home win last June at the 24H SPA EWC Motos at Spa-Francorchamps.

We are going for continuity in the rider line-up. Markus Reiterberger, Ilya Mikhalechik and Jérémy Guarnoni form a proven trio of regular riders, and are among the best that the field has to offer. They are perfectly attuned to one another and enjoy close connections to the team. We are convinced that their strengths, the great experience and professionalism of the BMW Motorrad World Endurance Team and the new BMW M 1000 RR

will combine to make an overall package that will allow us to reach our objective in the FIM EWC: consistently competing at the front.

At the same time, we are delighted to be supporting the Tecmas-MRP-BMW Racing Team in the Superstock class, which will be working closely with Werner Daemen's team. Kenny Foray will be calling on his extensive endurance racing experience in the team with which he has claimed multiple French championships. His team-mates are Jan Bühn, Loïc Arbel and Maxime Bonnot. There will also be a range of private teams sporting the colours of BMW Motorrad this season, notably including Team LRP Poland.

With the 24-hour races at Le Mans, Spa-Francorchamps and Le Castellet, as well as the 8 Hours of Suzuka, we are looking forward to another season with real classic events and some great endurance races. I wish the teams the best of luck, and hope that you enjoy a thrilling FIM EWC 2023.

Dr. Markus Schramm
Head of BMW Motorrad



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EXPERIENCE, PROFESSIONALISM, SUCCESS.

THE BMW MOTORRAD WORLD ENDURANCE TEAM.



From the very first race in the FIM EWC, the BMW Motorrad World Endurance Team caused a stir with some successes and lap records. In its second season, the team celebrated a first win at Most and claimed the runners-up spot in the World Championship. Last year, the Werner Daemen team led celebrated its first win in a 24-hour race – appropriately at its home race, the 24H SPA EWC Motos at Spa-Francorchamps. It was also the first win at a 24-hour race for a European manufacturer in decades. This success story comes as no surprise, as the BMW Motorrad World Endurance Team boasts concentrated experience gained over decades of involvement in international motor racing.

Team principal Werner Daemen was once a racer himself, reaching the podium in the World Endurance Championship. The Belgian rider also claimed the first international win for the BMW S 1000 RR, in the IDM race at the Salzburgring in 2009. After he retired from racing, Daemen became the full-time team principal at his MRP Racing organisation – celebrating wins in several championships. He and his team have so far secured nine titles with BMW in the IDM and the European Stock 1000 Championship. The extensive experience of Daemen and his team are the key to the successful performances in the FIM EWC.

Steven Casaer also plays a key role in the team as Technical Director. He also has a racing background and has been enjoying endurance racing success for many years with his company EMC37. The number 37 for the BMW Motorrad World Endurance Teams can also be traced back to him. He sported the number 37 when he was racing, carried the number into the name of his company - and since the start of the FIM EWC project, 37 has been the number assigned to the BMW works team. Just like Daemen and Casaer, many other team members have been an integral part of the FIM EWC for many years.

The trio of riders for the BMW Motorrad World Endurance Team is one of the strongest in the field. Markus Reiterberger and Ilya Mikhalechik, both of whom have claimed multiple IDM titles with Daemen's team, have long been part of the BMW family and have been involved in the FIM EWC from the first season onward. The FIM EWC World Champion of 2018/19, Jérémy Guarnoni, has been on board since last year. These three are perfectly attuned to one another and, together with the team, they form a perfect unit.

BMW MOTORRAD WORLD ENDURANCE TEAM ONLINE.





BMW MOTORRAD WORLD ENDURANCE TEAM.

INTERVIEW WITH BMW MOTORRAD MOTORSPORT DIRECTOR MARC BONGERS.

Marc, the BMW Motorrad World Endurance Team will be competing with the new #37 BMW M 1000 RR this season. Which properties make the new bike even better in endurance racing?

"The new motorbike delivers significantly increased aerodynamic efficiency. This makes it faster on long straights in particular, which we can benefit from at the Bol d'Or, for example. It is also more comfortable for the rider, which is also an important factor in endurance racing. The improved aerodynamic efficiency also makes the cooling system more efficient. This allows us to solve a problem that we have struggled with in recent years."

What else did BMW Motorrad Motorsport focus on during the preparations for the season, in addition to the introduction of the new M RR?

"On one hand, it was about the team and riders getting used to the new motorbike and finding a setup for the motorbike. Our primary focus was on durability. We were really competitive last year in terms of performance, but we did have problems with durability. So, our other focus was on making the engine and cooling system durable."

This season, BMW Motorrad Motorsport is supporting the Tecmas-MRP-BMW Racing Team in the EWC Superstock class. How did that come about?

"BMW Motorrad Motorsport has a long history with the Tecmas team in France. From the word go, the team competed with the BMW S 1000 RR in the French championship and has also been racing with the BMW M 1000 RR since last year. Therefore, the logical next step was to race in the Superstock class with this successful team, which is very well known at BMW."

New bike, strong team, proven regular riders on the #37 M RR – what are the objectives for 2023?

"Clearly, the objective is to be battling for the championship. We have a very good package with fast and consistent riders, as well as a strong and experienced team. Added to that, we have the new BMW M 1000 RR and we hope that we have sorted out the last little problems and are now in a position to go for the title."

BMW MOTORRAD WORLD ENDURANCE TEAM.

INTERVIEW WITH TEAM PRINCIPAL WERNER DAEMEN.

Werner, what are your first impressions of the new BMW M 1000 RR?

"Very good. The motorbike has been improved, particularly with regard to the aerodynamics, and BMW Motorrad Motorsport worked hard on the durability over the winter. Visually, the new BMW M 1000 RR also looks just great – I can hardly wait to see it racing in our new livery."

What did the team focus on during winter testing?

"We tested new setups with the forks and shock absorbers. We did some really good work on that and we are very pleased with the results. The lap times were already very good. I think that we have prepared well."

This year, Markus Reiterberger, Ilya Mikhalechik and Jérémy Guarnoni are again forming a proven trio of regular riders on the #37 BMW M 1000 RR. How important is this consistency in the line-up?

"It is very important for endurance racing. As well as being fast, the riders must also know one another really well. That is the case for us. All three are like friends and they

really want to work for each other. I think that we have one of the strongest rider line-ups in the field. It looks very good."

What objectives are you setting for the upcoming season?

"That's simple, we want to reach the podium at each race. That is our objective. And, of course, in the end we would like to claim the world championship title. However, we know that there are just four races in the endurance season and things get difficult if you have some bad luck in just one or two of the races. But we are aiming for the podium in the individual races and that also means that you can win in endurance racing. Last year, we claimed one win and we would like to at least repeat that this season, and reach the podium as often as possible as well. We are very well prepared and I have a good feeling."



"I'm looking forward to the season and I'm ready to compete in endurance races again. I think our expectations are clear. We are setting ourselves the same big goals as last year. We want to win races and become world champions. We have put together a good package for this season. The team, BMW and the partners have once again improved the motorcycle in many areas. In terms of riders, we are at a very high level; Ilya, Jérémy and I are a very strong team. We have a good pace and get along really well. We're very confident of ending the season in a top position. But the unforeseeable can always happen in the FIM EWC. That's why you must never let up. As a team and riders, we have to give our best on every lap, in every session and in all areas in order to reach our goal."

Markus Reiterberger



MARKUS REITERBERGER **ONLINE.**



MARKUS REITERBERGER.

FROM YOUNGSTER TO CHAMPION.



Markus 'Reiti' Reiterberger was still an up-and-coming youngster in 2011, when he competed in his first races on the international stage with BMW. Together with BMW and Werner Daemen's team, he celebrated numerous successes in the following years and the Bavarian rider is now an experienced champion. In 2018, Reiterberger became European champion in the FIM Superstock 1000 European Championship. He has claimed the title in the International German Motorcycle Championship (IDM) on four occasions: 2013, 2015, 2017 and 2022. He also completed the entire FIM Superbike World Championship season with BMW in 2016 and 2019. Reiterberger has been the regular rider for the BMW Motorrad World Endurance Team since its debut season in 2019/20, contributing to success with his speed and extensive BMW experience.

Date of birth: 9th March 1994

Nationality: German

CAREER.

2022	FIM Endurance World Championship – Champion in the International German Championship (IDM)
2021	2 nd place FIM Endurance World Championship
2020	FIM Endurance World Championship – Asia Road Racing Championship
2019	14 th place in the FIM Superbike World Championship
2018	Champion in the FIM Superstock 1000 European Championship
2017	Champion in the International German Championship (IDM)
2016	16 th place in the FIM Superbike World Championship
2015	Champion in the International German Championship (IDM)
2014	3 rd place in the International German Championship (IDM)
2013	Champion in the International German Championship (IDM) – debut in the FIM Superbike World Championship
2012	FIM Superstock 1000 Cup
2011	FIM Superstock 1000 Cup



"I am really looking forward to starting the new season at Le Mans. My feeling at the tests was really good. BMW really made big steps with the bike in a lot of areas. I am looking forward to jumping on the new BMW M 1000 RR and to enjoying it. I hope that we will also have enough luck so that we can fight until the end and get the results we have deserved."

Ilya Mikhalchik

ILYA MIKHALCHIK **ONLINE.**



ILYA MIKHALCHIK.

SPEED AND DETERMINATION.



Ilya Mikhalchik impresses with his speed, his determination and his meticulous work – and he has quickly attracted attention in international motor racing. In 2018, he completed his first season with BMW, securing the title in the International German Motorcycle Championship (IDM) at the first attempt with Werner Daemen's team. He won his second and third IDM titles in 2019 and 2021. Last season, his great results in the FIM Superbike World Championship caused a stir when he appeared in place of the injured Michael van der Mark on the BMW M 1000 RR. Just like Reiterberger, Mikhalchik has been applying his speed and ability in the BMW Motorrad World Endurance Team since 2019/20.

Date of birth: 17th August 1996

Nationality: Ukrainian

CAREER.

2022	FIM Endurance World Championship – FIM Superbike World Championship – Spanish Superbike Championship
2021	2 nd place in the FIM Endurance World Championship – Champion in the International German Championship (IDM)
2020	2 nd place in the International German Championship (IDM) – FIM Endurance World Championship
2019	Champion in the International German Championship (IDM) – Debut in the FIM Endurance World Championship
2018	Champion in the International German Championship (IDM)
2017	FIM Superstock 1000 European Championship
2016	FIM Supersport World Championship

"We hope that we can fight for the championship this season. To set the base for this, we need a strong result at the season opener at Le Mans. I think that this is one of the most important races of the season – and maybe also the most famous, so I hope we can fight for the win there. I think that the bike and the tyres are really good this year. We have the right package to fight with the others. We just need to maybe have a little bit more luck. Then I think we have all the possibilities to win."

Jérémy Guarnoni



JÉRÉMY GUARNONI **ONLINE.**



JÉRÉMY GUARNONI. WORLD CHAMPION FROM FRANCE.



Jérémie Guarnoni is competing in his second season as a regular rider for the BMW Motorrad World Endurance Team in 2023. The French rider has been one of the biggest names in endurance racing for some time. He has been competing in the FIM EWC for more than a decade - celebrating the world championship title in the 2018/19 season. He was also the 2010 Superstock 600 European Champion before competing for many years in the FIM Superstock 1000 Championship, where he claimed third place in the championship on two occasions. Guarnoni was also a rider in the FIM Superbike World Championship in 2014. Guarnoni quickly settled into the BMW family and BMW WorldSBK works driver Loris Baz has been one of his closest friends for many years.

Date of birth: 28th February 1993

Nationality: French

CAREER.

2022	FIM Endurance World Championship
2021	FIM Endurance World Championship
2020	FIM Endurance World Championship
2018/19	World Champion in the FIM Endurance World Championship
2017	FIM Superstock 1000 European Championship – FIM Superbike World Championship
2016	FIM Superstock 1000 Cup
2015	FIM Superstock 1000 Cup
2014	FIM Superbike World Championship
2013	FIM Superstock 1000 Cup
2012	FIM Superstock 1000 Cup – debut in the FIM Endurance World Championship
2011	FIM Superstock 1000 Cup
2010	Champion in the FIM Superstock 600 European Championship

#37 BMW M 1000 RR FOR FIM EWC.

TECHNICAL INNOVATIONS FOR THE ENDURANCE CIRCUIT.



The first generation of the BMW M 1000 RR really caught the eye in its debut season in the FIM Endurance World Championship, claiming its maiden victory and setting a host of lap records. In the 2023 season, the BMW Motorrad World Endurance Team competes with the new generation of the M RR. The first thing you notice is the modified aerodynamics package. The completely newly designed fairings work together with optimised flow dynamics around the rider to achieve a higher top speed.

The M winglets have been completely reworked and now generate significantly more aerodynamic downforce with a lower drag at the same time – both in an upright and a lean position. The aerodynamics have also been modified with new components in other areas.

BMW Motorrad Motorsport works with strong technical partners in FIM EWC. One of the innovations for long-distance racing has been developed in collaboration

with ZF, the carbon telescopic front fork that was used in 2022. ZF and BMW Motorrad Motorsport are the first to use carbon for a fork on the endurance circuit. Success has proved them right; the first victory came in only the second race with this innovation. The riders are full of praise for the improved feel that this fork gives them on the bike. For 2023, the front fork has been further optimised. ZF and BMW Motorrad Motorsport also developed a central shock absorber for the rear suspension, which was also in use in the 2022 season. For the 2023 season, however, there is a completely new development of the central shock absorber.

The bike's forged wheels, which are made of high-strength aluminium, are tailor-made by partner Fuchsfelge PVM. BMW Motorrad Motorsport has been working with the racing wheel specialists since last season in the FIM Superbike World Championship. This successful partnership has now been expanded to incorporate FIM EWC.

Dunlop has been a strong tyre partner of the BMW Motorrad World Endurance Team since the start of the project. Working closely together, they continuously design the best tyre and set-up solutions. All oils and lubricants for the #37 BMW M 1000 RR come from partner Champion Lubricants. Champion develops the products in its own research and development centre and tests them under the most extreme conditions, both on and off the racetrack, for the perfect use in the BMW M 1000 RR.

#37 BMW M 1000 RR FOR FIM EWC.

TECHNICAL DATA.



Capacity / engine:	999 cc, four-cylinder four-stroke engine with four titanium valves per cylinder and variable intake camshaft control BMW ShiftCam, liquid-cooled, titanium rods, 2-ring pistons
Gearbox:	Constant mesh 6-speed gearbox with straight cut gears
Output:	> 215 hp at over 14,000 rpm
Bore × stroke:	80 × 49.7 mm
Fuel system:	Electronic injection, variable intake manifold length
Tank capacity:	24 l
Lubrication:	Wet sump
Dry weight:	168 kg without tank
Wheelbase:	1,450 mm (variable)
Length:	2,080 mm
Width:	538 mm
Front wheel control:	ZF Upside-down telescopic CFK fork with pressurised damping system
Rear wheel control:	Underslung Suter swing arm, full-floater central spring ZF twin tube monoshock
Front brake:	Twin-disc Motomaster 320 mm, Nissin radial 6-piston callipers
Wheels:	Single-disc Motomaster 220 mm, Nissin 2-piston callipers
Wheels:	PVM cast aluminium wheels, front 17" × 3.5", rear 17" × 6.0"
Tyres:	Dunlop

"Our goal is very clear, to be at the forefront of the Superstock category and to show the BMW customers that their bike has extraordinary capabilities. But we will do everything to be on the final podium and why not on the highest step."

Team Owner Arnaud Sassone



SUPERSTOCK CLASS.

TECMAS-MRP-BMW RACING TEAM.



TECMAS-MRP-BMW RACING TEAM.

SIGHTS SET ON THE TITLE IN THE SUPERSTOCK CLASS.

A new project will go in pursuit of the title in the Superstock class of FIM EWC in 2023, the Tecmas-MRP-BMW-Racing Team. This is a collaboration between the French Tecmas Racing Team, Werner Daemen's company Motorcycle Racing Parts and BMW Motorrad Motorsport. The Tecmas Racing Team has enjoyed success in the French Superbike Championship (FSBK) for years, and has

previously started in the EWC class at selected FIM EWC races. They now compete in their first season as a permanent team in the Superstock class. The bike of choice is the new #9 BMW M 1000 RR.

Tecmas team owner Arnaud Sassone said: "Professional riders are joining the Superstock class, which is becoming

more and more competitive. BMW Motorrad Motorsport supports us in this process as well as does the MRP team, led by Werner Daemen, whom I thank. We hope that our involvement in this category will give it some impetus and that new teams, or teams present in the EWC will join us. Our goal is very clear, to be at the forefront of the Superstock category and to show the BMW customers that their bike has extraordinary capabilities. But we will do everything to be on the final podium and why not on the highest step."

The quartet of riders for the Tecmas-MRP-BMW Racing Teams is spearheaded by Kenny Foray. The Frenchman was previously part of the BMW Motorrad World Endurance Team and is not only a real endurance and BMW expert, but has also won two FSBK titles with Tecmas in the past. He is joined by Jan Bühn and Loïc Arbel, as well as Maxime Bonnot as the fourth rider.

"I am very proud and satisfied with our crew," said Sassone. "Kenny is already a Tecmas rider and is the French Superbike Champion for 2022. I really appreciate his confidence to come in this new adventure in the Superstock class. He will be the most experienced rider and will be in charge of his young team-mates. Jan Bühn knows endurance racing very well and I am looking forward to working with him. Loïc Arbel is a fast rider with a very good attitude, he gained a lot of experience by finishing second in the 24H SPA EWC Motos last June. Maxime Bonnot is a long-time Tecmas rider both in sprint racing and endurance."

The three European 24-hour races in Le Mans, Spa-Francorchamps and Le Castellet count towards the FIM Endurance World Cup, the championship for the Superstock class.

TECMAS-MRP-BMW RACING TEAM **ONLINE.**



TECMAS-MRP-BMW RACING TEAM.

TOP QUARTET FOR THE #9 BMW M 1000 RR.



**KENNY
FORAY.**

Date of birth: 2nd August 1984

Nationality: French

Kenny Foray is a genuine endurance expert – and has been an integral part of the BMW Motorrad Motorsport family for years. The Frenchman won the FIM Endurance World Championship in 2014. Foray has started for BMW teams in FIM EWC since 2016 and has been part of the BMW Motorrad World Endurance Team since its debut season in 2019/20. He now spearheads the quartet of riders in the Tecmas-MRP-BMW Racing Team. At the same time, Foray is also one of the top riders in the French Superbike Championship (FSBK) with BMW. In 2017 and 2022 he was crowned champion with the Tecmas Racing Team.



**JAN
BÜHN.**

Date of birth: 3rd March 1991

Nationality: German

Jan Bühn has also been racing in FIM EWC for years, including with BMW teams. Bühn is also very familiar with BMW bikes from sprint races. Together with Werner Daemen's Van-Zon-Remeha BMW Superbike Team and the EGS Moto Racing team, he has had multiple successful seasons in the International German Motorcycle Championship IDM with the BMW S 1000 RR. Bühn also raced with the alpha Racing-van-Zon-BMW Team in the 2018 FIM Superstock 1000 Championship.



**Loïc
ARBEL.**

Date of birth: 23rd Mai 1997

Nationality: French

Talented young Frenchman Loïc Arbel knows how it feels to stand on the FIM EWC podium. After all, he finished runner-up in last year's 24H SPA EWC Motos. Arbel began his career in the French championship, where he predominantly enjoyed success in the Supersport class. He has also made a number of starts in the FIM Supersport World Championship.



**MAXIME
BONNOT.**

Date of birth: 2nd Juni 1997

Nationality: French

Maxime Bonnot has been associated with the Tecmas Racing Team for a long time and starts for the team in the French Superbike Championship. In 2019 he won the title there in the French Superbike Challenger class. The young Frenchman also has experience of endurance racing, having already made several appearances in the 24 Heures Motos in Le Mans and the Bol d'Or at Le Castellet. In 2023, he takes on the role of the fourth rider in the Tecmas-MRP-BMW Racing Team.



#9 BMW M 1000 RR FOR FIM EWC SUPERSTOCK.

TECHNICAL DATA.



Capacity / engine:	999 cc, four-cylinder four-stroke engine with four titanium valves per cylinder and variable intake camshaft control BMW ShiftCam, liquid-cooled, titanium rods, 2-ring pistons
Gearbox:	Constant mesh 6-speed gearbox with straight cut gears
Output:	> 215 hp at over 14,000 rpm
Bore × stroke:	80 × 49.7 mm
Fuel system:	Electronic injection, variable intake manifold length
Tank capacity:	24 l
Lubrication:	Wet sump
Dry weight:	168 kg without tank
Wheelbase:	1,450 mm (variable)
Length:	2,080 mm
Width:	538 mm
Front wheel control:	Öhlins Cartridge
Rear wheel control:	Öhlins Shock Absorber
Front brake:	Twin-disc Motomaster 320 mm, Nissin Radial 4-piston callipers
Rear brake:	Single-disc Original BMW 220 mm, Nissin 2-piston fix callipers
Wheels:	Original BMW M aluminium wheels, front 17" × 3.5", rear 17" × 6.0"
Tyres:	Dunlop



THE 2023 FIM ENDURANCE WORLD CHAMPIONSHIP.

ACID TEST FOR MAN AND MACHINE.

The FIM Endurance World Championship is the ultimate high-speed test of rider and machine. It's regulated by the Fédération Internationale de Motocyclisme and promoted by Discovery Sports Events under a long-term agreement between the two organisations.

The 2023 FIM EWC season is set to feature four rounds, starting with the 46th 24 Heures Motos at Le Mans. Round two is the 24H SPA EWC Motos at Spa-Francorchamps where the BMW Motorrad World Endurance Team celebrated a fantastic home win last year. Spa is followed

by the Suzuka 8 Hours in Japan and the Bol d'Or at Circuit Paul Ricard in France.

EWC races last from between eight hours to 24 hours and all must include day and night action. Each team consists of three riders with a fourth rider nominated as a reserve. All riders must qualify and get the opportunity to practice during the day and at night.

Since Discovery Sports Events was appointed by FIM as championship promoter in 2015, the EWC has enjoyed a

huge increase in media coverage and audience figures with races broadcast live around the world.

One of the notable features of EWC races is the spectacular standing start with riders lining up on one side of the track and sprinting across to the other to jump on their bikes before accelerating towards the first corner as the race begins.

Further information about the FIM Endurance World Championship can be found online at: [fimewc.com](https://www.fimewc.com)

FIM EWC 2023. CALENDAR.

15 th /16 th April 2023	24 Heures Motos	Le Mans	France
17 th /18 th June 2023	24H Spa EWC Motos	Spa-Francorchamps	Belgium
6 th August 2023	Suzuka 8 Hours	Suzuka	Japan
16 th /17 th September 2023	Bol d'Or (24-hour race)	Le Castellet	France



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