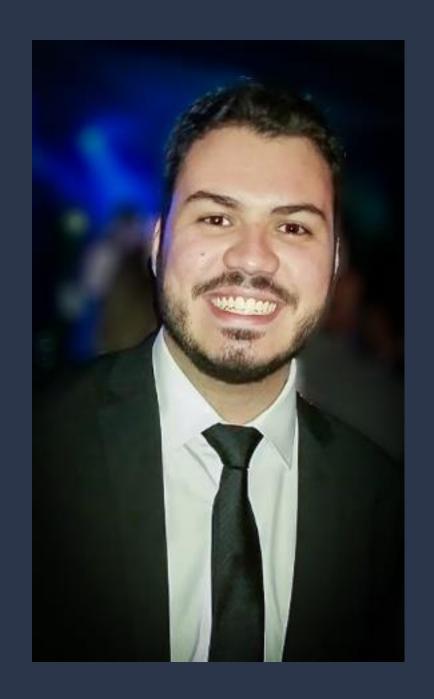


WHO AM I?

VICTOR MACEDO BRAZILIAN, 28 YEARS OLD

CIVIL ENGINEER AND MASTER IN TRANSPORTATION ENGINEERING

CURRENTLY WORKING AT FORTALEZA CITY HALL







Partnership for Healthy Cities

Bloomberg Philanthropies



FORTALEZA CITY







ROAD NETWORK 4.400 KM



TOTAL CAR FLEET 1.1 MILLION







HISTORICALLY FORTALEZA GREW TO BE A CAR ORIENTED CITY

MINUTES IS THE AVERAGE DAILY TIME HOME-WORK DISPLACEMENTS TAKE

THE AVERAGE TRAVEL TIME INCREASES BY APPROX. 30% FOR LOWER INCOME PEOPLE WHEN COMPARED TO HIGH INCOME.*



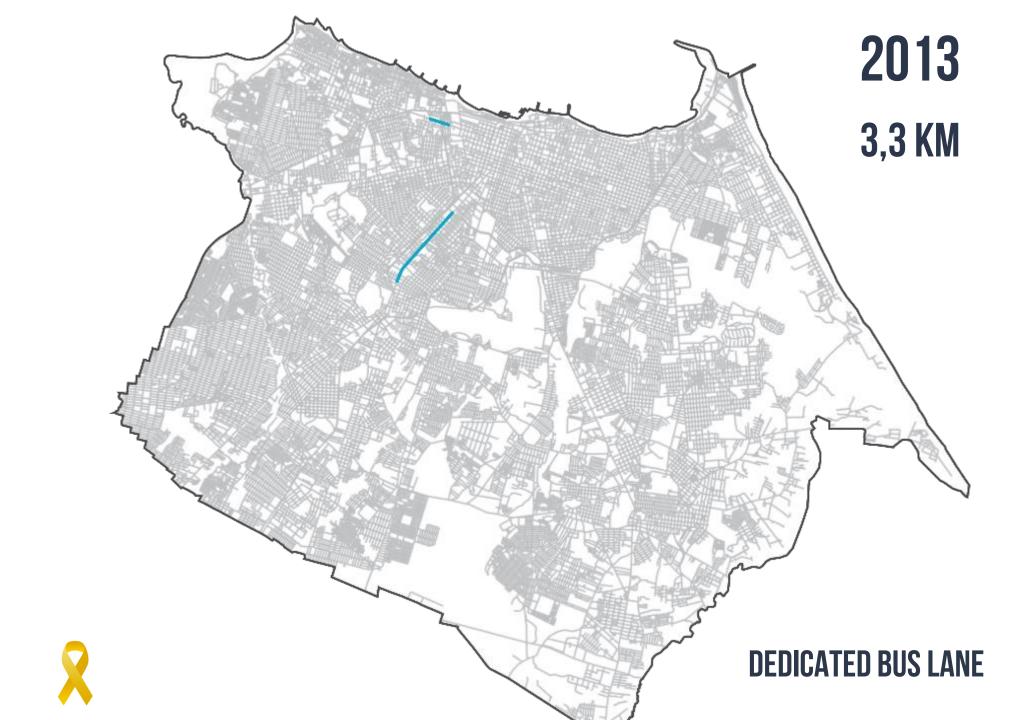


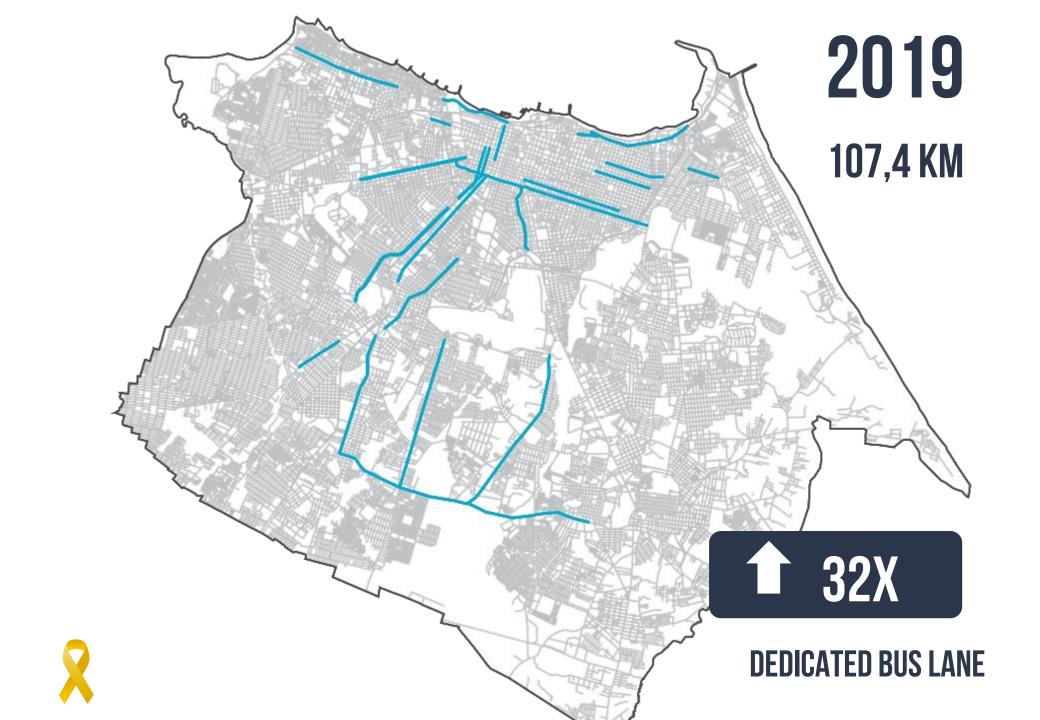
INVESTING IN

SUSTAINABLE MOBILITY?





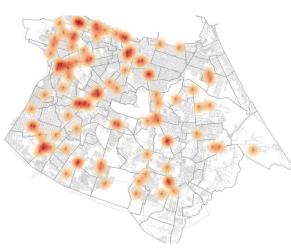






















POLICIES FOR

URBAN CYCLING



MAKE FORTALEZA THE MOST BIKEABLE CITY

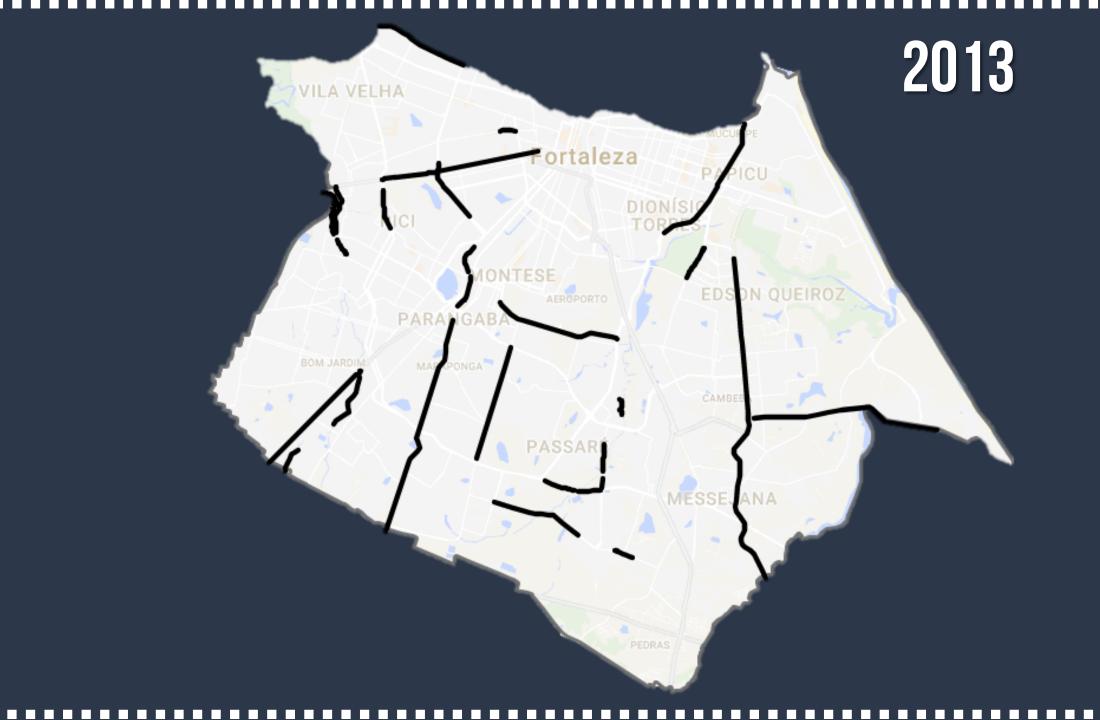


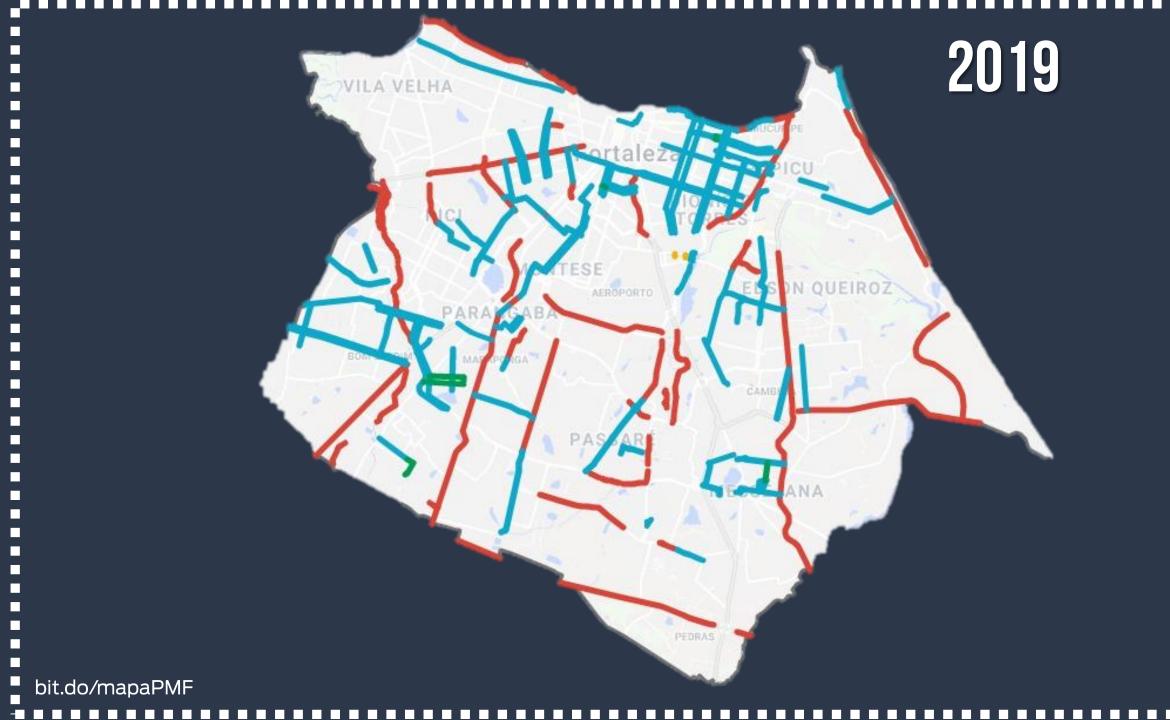
GROWTH OF 282% IN 6 YEARS

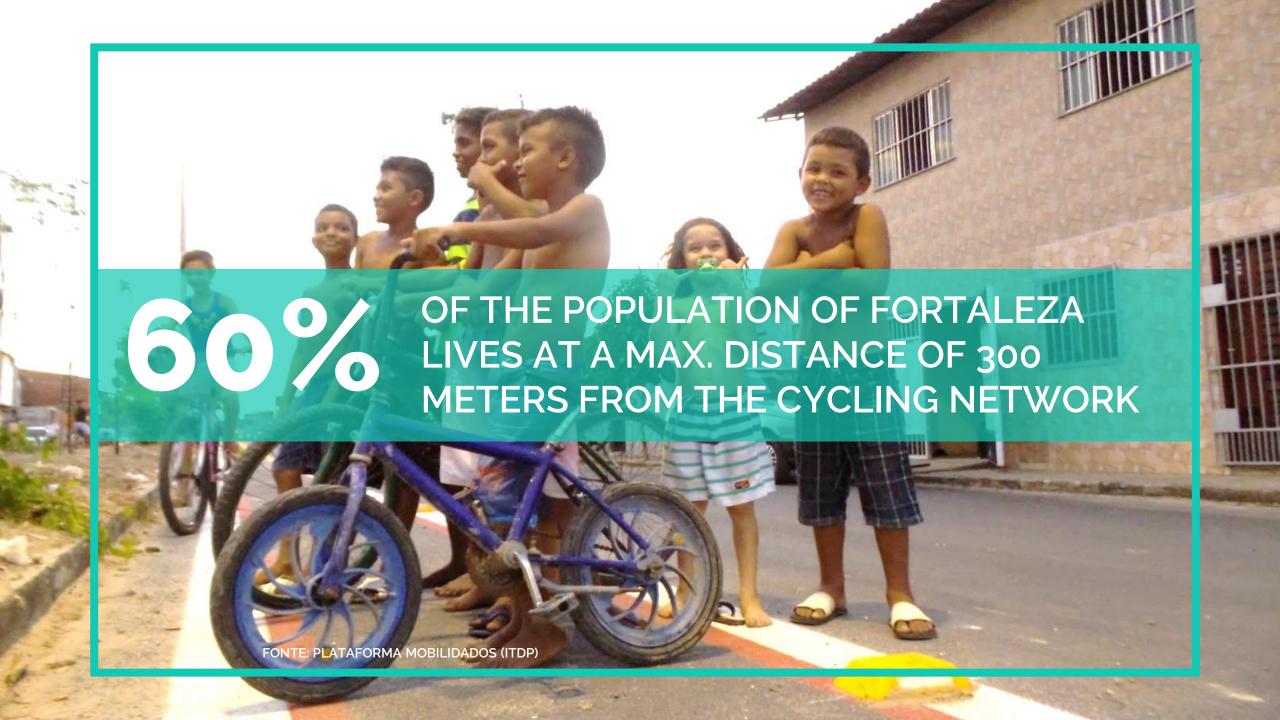
260 KM MAR/2019



JAN/2013



































ALL RESOURCES FROM CAR PUBLIC PARKING

EXCLUSIVELY

FOR BIKE RELATED POLICIES



+ A PERCENTAGE OF THE DIGITAL PLATFORMS REVENUES







ONE OF THE MOST USED SYSTEMS N BRAZ



BICICLETAR STATIONS









7 BUS TERMINAL STATIONS VILA VELHA Caucaia **LEGENDA** Maracanaú **BICICLETA INTEGRADA** BICICLETAR







GLOBAL NETWORK OF CITIES COMMITTED TO SAVING LIVES THROUGH THE PREVENTION OF NON-COMMUNICABLE DISEASES (NCDs)

Partnership for Healthy Cities



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Partnership for Healthy Cities



FORTALEZA IS PART OF A GLOBAL ROAD SAFETY NETWORK OF CITIES HAVING ACCESS TO BEST PRACTICES AND SUPPORT FROM A VARIETY OF PARTNERS























W.H.O IDENTIFIES NCDs AS ONE OF THE LEADING CAUSES OF DEATH IN THE WORLD

NGDS ARE RESPONSIBLE FOR 7 OUT 0F10 — DEATHS IN THE WORLD



870/OFDEATHS IN BRAZIL

ARE CAUSED BY NCDs

NON-COMMUNICABLE DISEASES

WHAT ARE NCDs?

A SET OF DISEASES IN WHICH THE CAUSES ARE NOT BASED ON TRANSMISSION MECHANISMS OF ETIOLOGICAL AGENTS (IE, NON-INFECTIOUS DISEASES), SUCH AS:









2030

- **1º ISCHEMIC HEART DISEASE**
- 2º STROKE
- **3º CHRONIC LUNG DISEASES**
- **4º** RESPIRATORY INFECTIONS
- **5º** TRAFFIC INJURIES
- **6º** LUNG CANCER
- **7º DIABETES**

田田田

1,3 MILLION

PEOPLE DIE EVERY YEAR IN THE WORLD

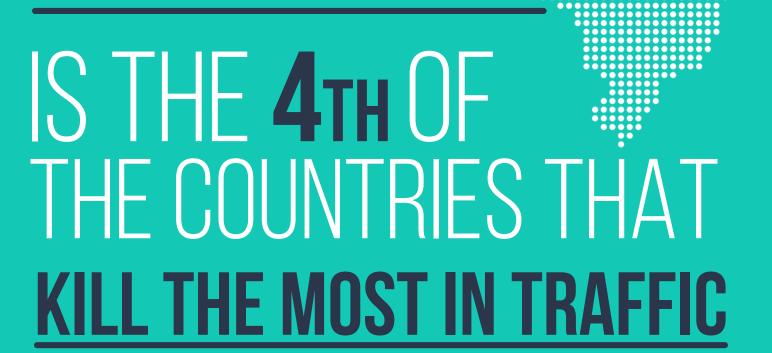
IN ROAD CRASHES



IS IT ESTIMATED THAT 50 MILLIONS

PEOLPLE INJURIED IN ROAD CRASHES PER YEAR

BRAZIL



••••

IN FORTALEZA

1 IN 3 EMERGENCY SERVICE ARE DUE TO TRAFFIC ACCIDENTES







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EXCLUSIVE SYSTEM FOR MUNICIPAL EMPLOYEES

STIMULATE EMPLOYEES TO ADOPT A HEALTHIER LIFESTYLE BY USING BIKE TO WORK

STIMULATING PRIVATE **COMPANIES AND INSTITUTIONS** TO ADOPT SIMILAR PRACTICES FOR CYCLING

SOCIETY ALSO HAS A KEY ROLE IN RELATION TO SUSTAINABLE MOBILITY

SYSTEM FEATURES

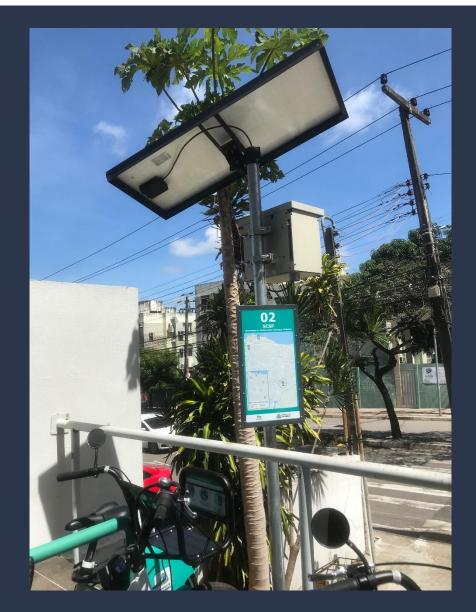




FREE USE



VIRTUAL STATIONS WITH DOCKLESS TECHNOLOGY

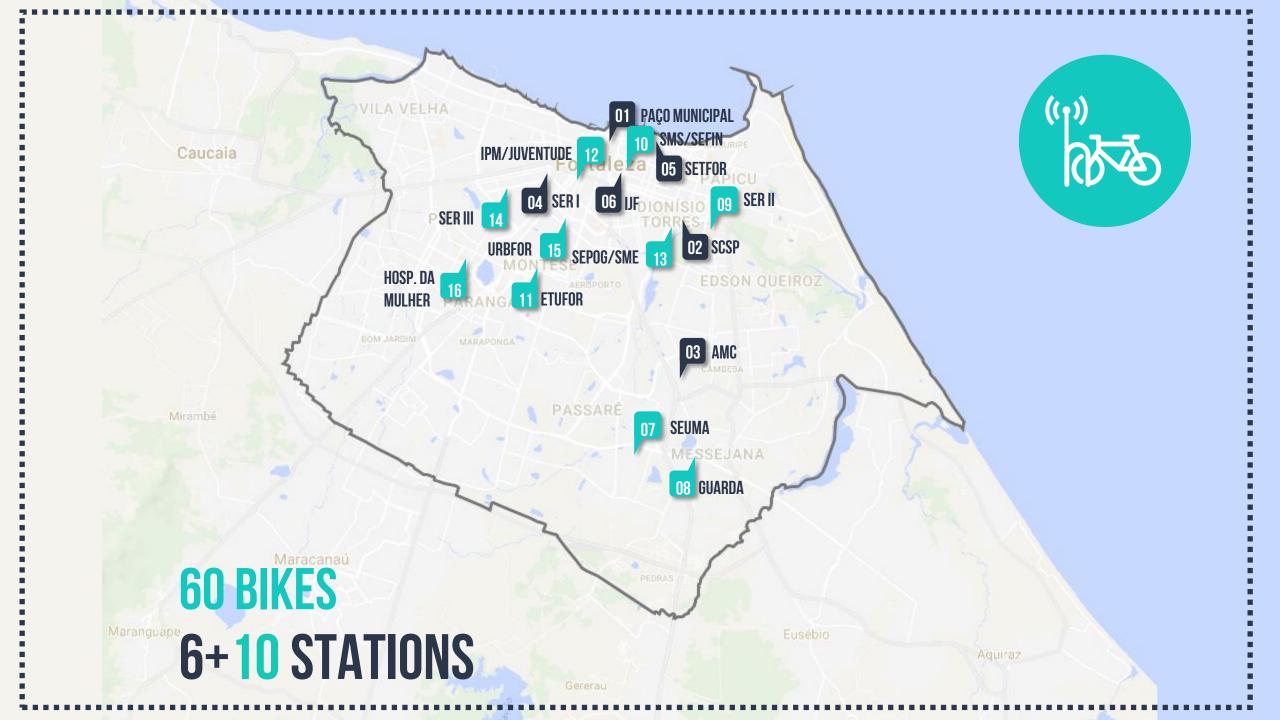


SOLAR ENERGY POLE







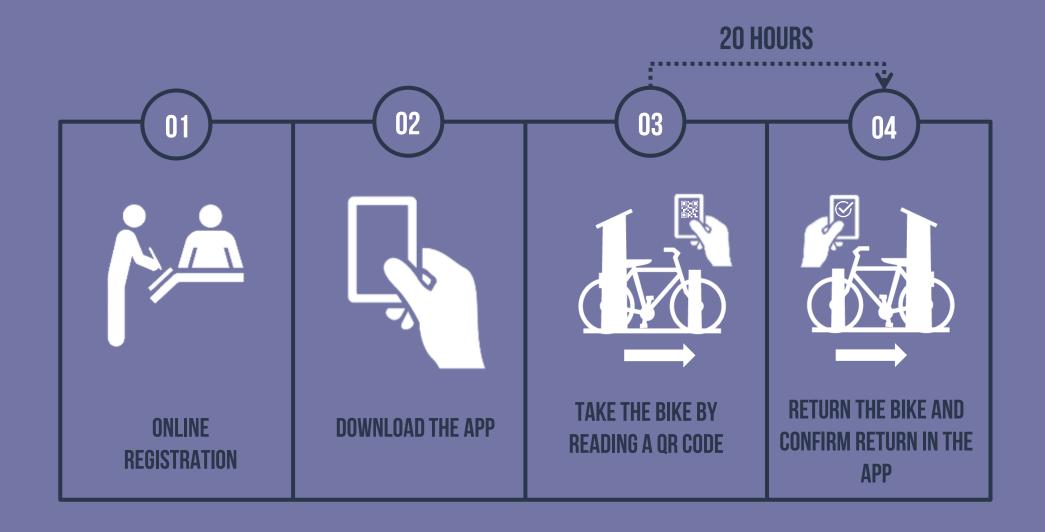






USERS CAN STAY WITH THE BIKE FOR UP TO 20 HOURS

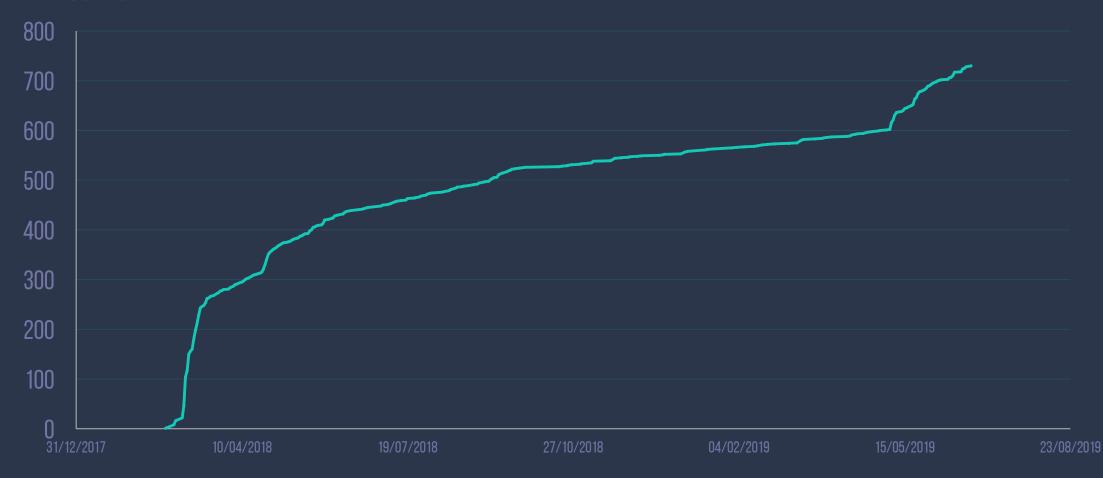
SYSTEM WORKING



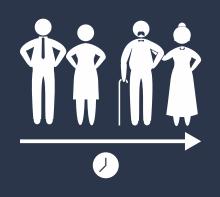
740 REGISTERED USERS



REGISTERED USERS



USERS PROFILE



50% BETWEEN 35-44 YEARS OLD

40% BETWEEN 45-60 YEARS OLD





42% WOMEN



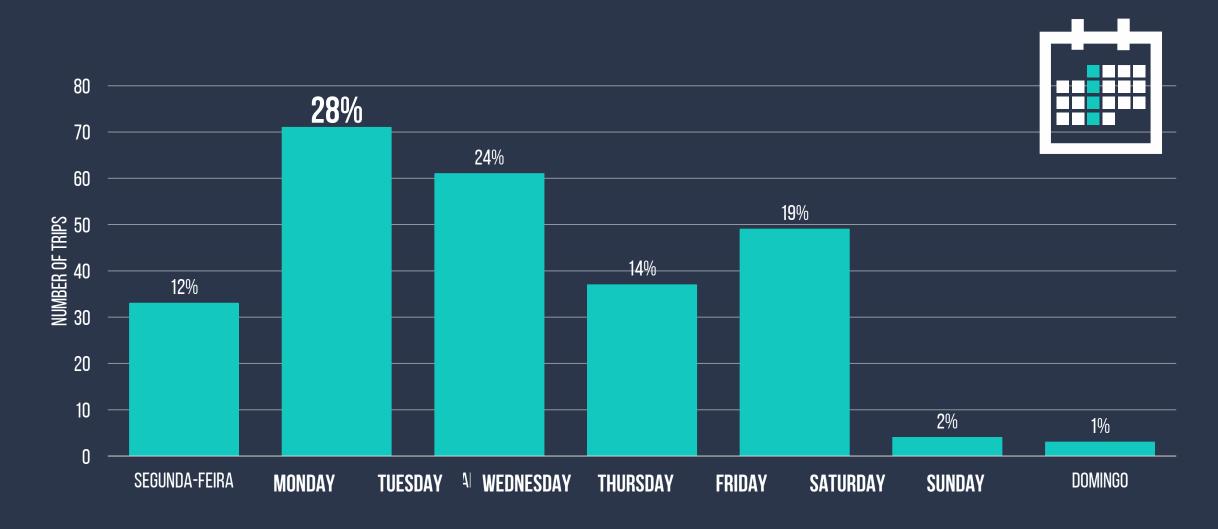


ON AVERAGE, HALF OF THE BIKES* ARE USED EVERY DAY

*ABOUT 0.5 TRIPS / BIKE / DAY

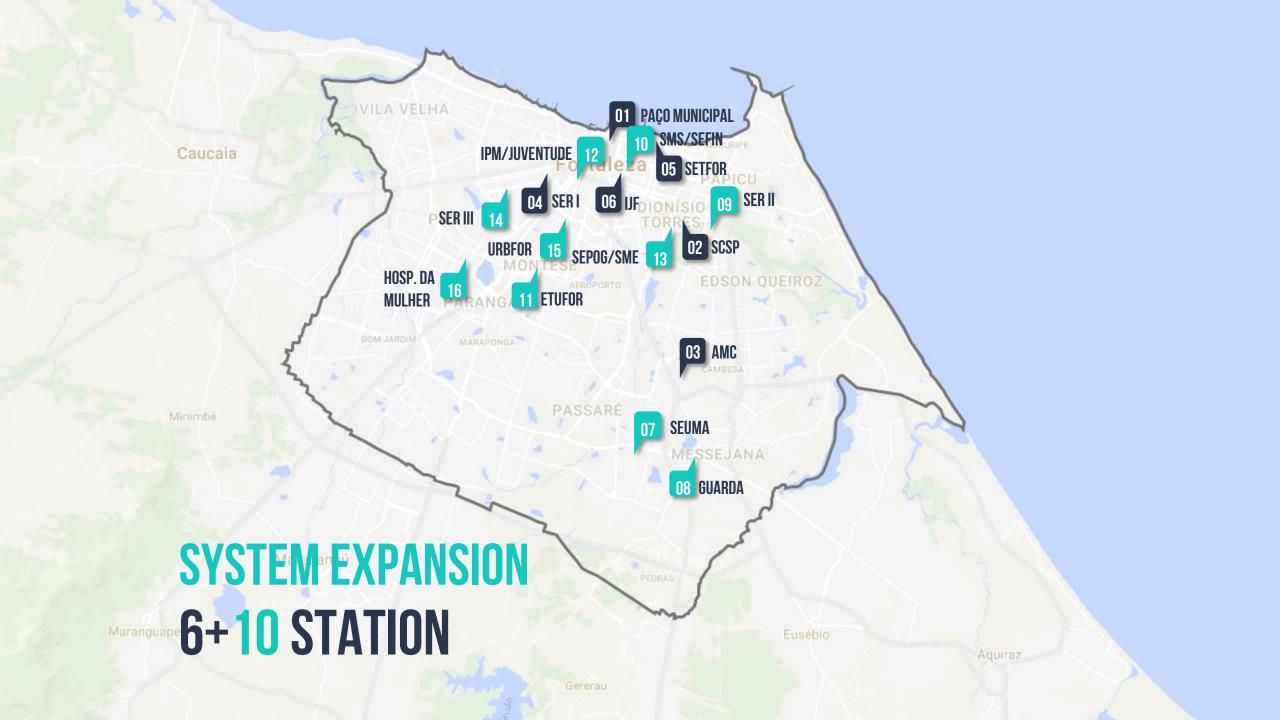


85% OF TRIPS ARE BETWEEN TUESDAYS AND FRIDAYS



PHASE II: NEXT STEPS





BICICLETAR CORPORATIVO — USERS INTERVIEW

DIFFERENT PROFILES:

- MEN AND WOMEN
- MORE FREQUENT USERS
- USERS WHO WERE FREQUENT AND DECREASED USE
- USERS WHO STARTED TO USE THE SYSTEM ONLY RECENTLY







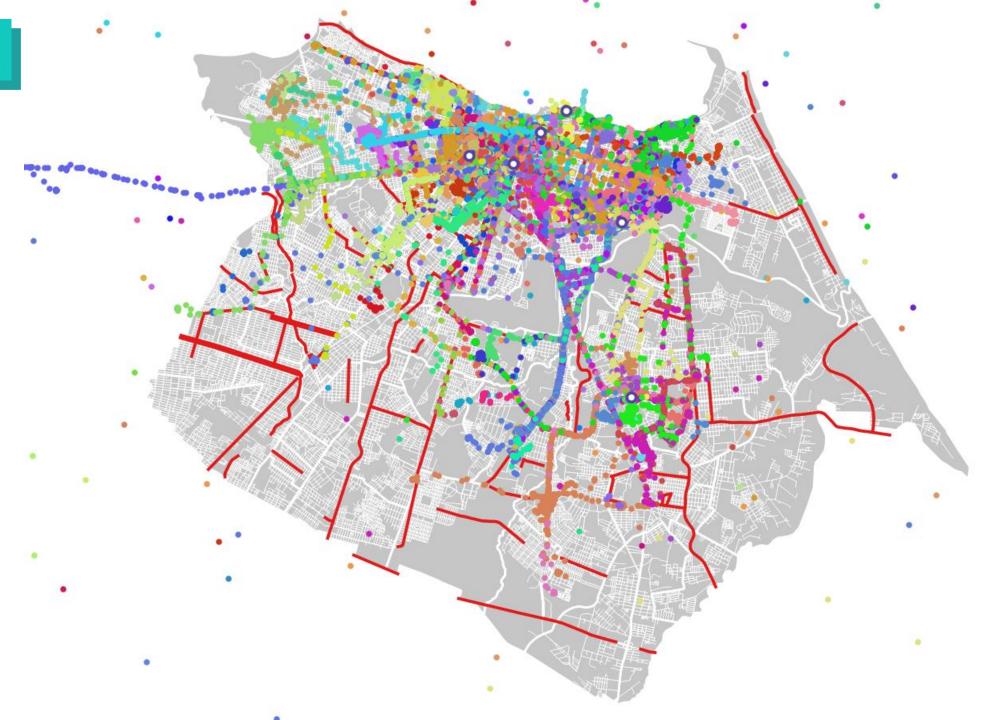
THE MOST FREQUENT USERS





THESE USERS WILL BE MONITORED IN ORDER TO QUANTIFY THE BENEFITS OF THE PROJECT FOR THEIR HEALTH

GPS DATA



USERS MONITORING









PARTNERSHIP WITH UNIVERSITIES



WHEN A CITY RETHINKS ITS MANY MODES OF TRANSPORT THE RESULTS START TO SHOW





The Power of Paint: Bringing Life to the Streets of Dragão do Mar



Brazil's bike-friendly beachfront city Fortaleza wins major transport award

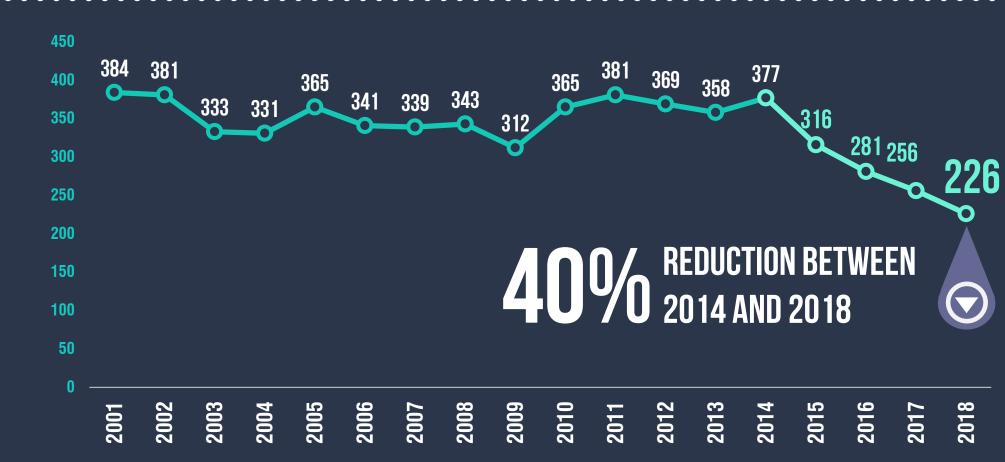
Fortaleza's Progress Shows that Change is Still Possible in Brazil

By Clarisse Cunha Linke, ITDP Brazil

The capital of Ceará sees traffic fatalities drop to the lowest level in 15 years after creating a mobility strategy with speed reduction interventions, priority bus lanes, and cycling infrastructure.



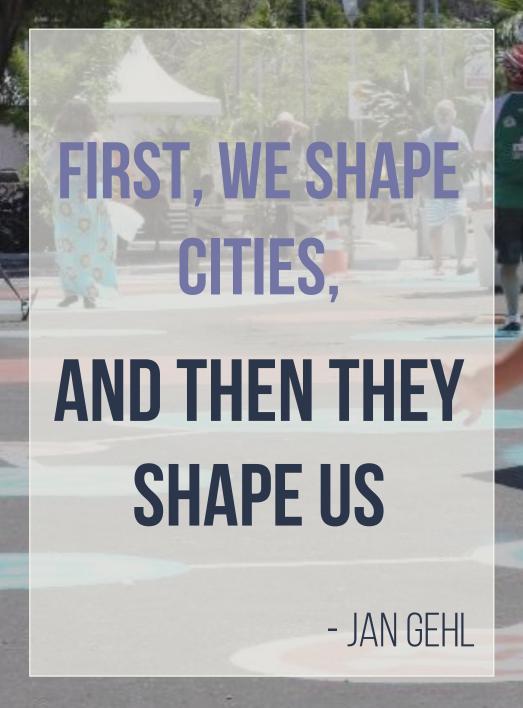
ABSOLUTE NUMBERS OF TRAFFIC DEATHS IN FORTALEZA





ALL APPLIED ENGAGEMENT RETURNS THE MOST VALUABLE RESULT









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